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S&W

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Hail H. Tracy Esq.

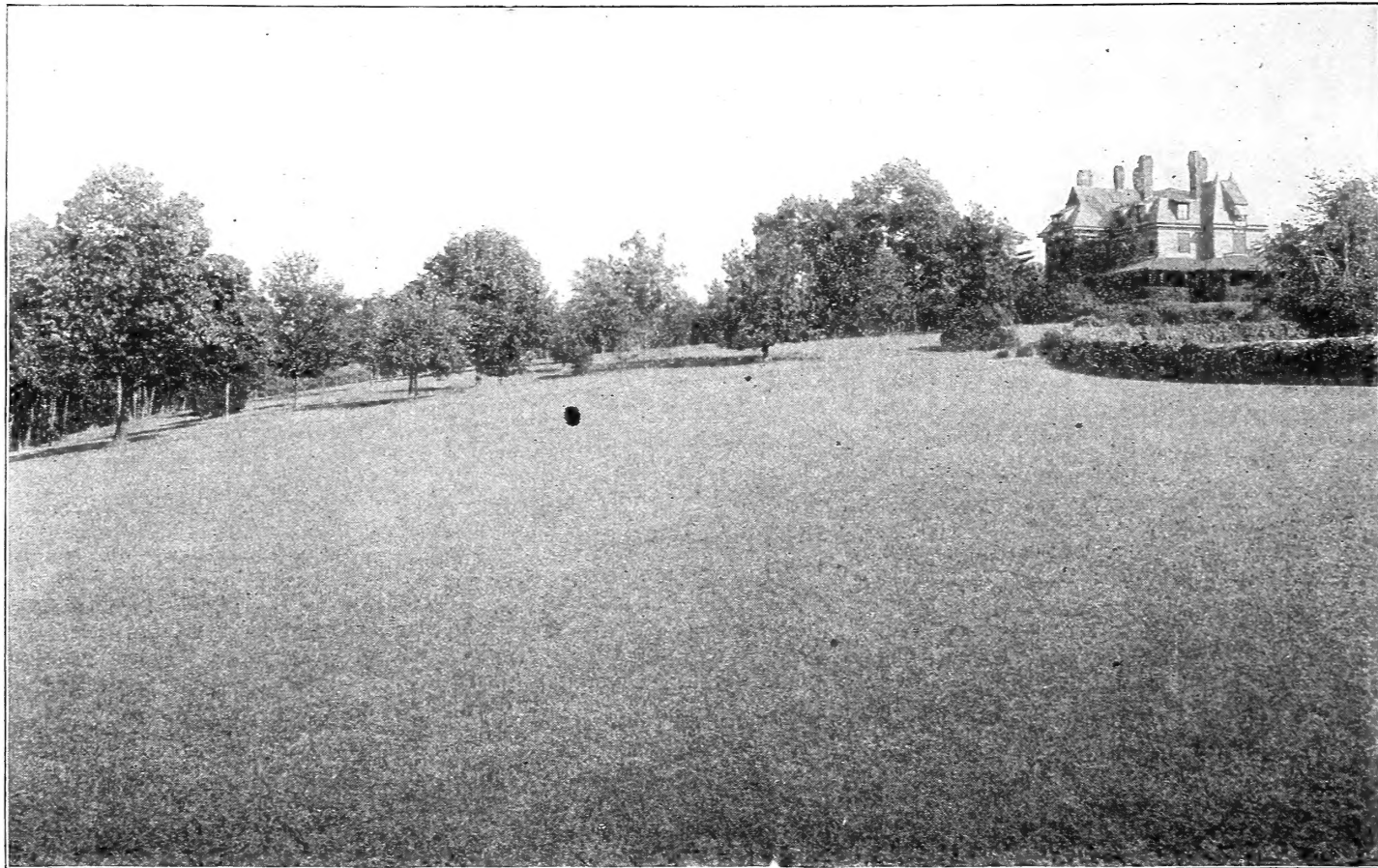
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Spring 1908

Stimpff & Walter Co.

50 BARCLAY STREET

NEW YORK



STAIGREEN LAWN SEED

In presenting this, our 1908 catalogue, we do so with every confidence in the quality of the Seeds, Bulbs and Plants we offer.

The above cut represents a lawn sown with our Staigreen Lawn Seed. This is a mixture of the hardiest, dwarfest growing Grass Seed, and is the result of ten years' constant trial and study to get a mixture of seed that is properly balanced to make a lawn that will withstand our extreme changes in temperature.

The majority of the mixtures sent out are at their best, only part of the season; this is caused by the use of either too few varieties, or the use of too much of some and not enough of other varieties in the mixture.

STAIGREEN LAWN SEED is properly balanced, and only the purest, cleanest and best seeds are used.

Price Per Pound, 25c., by Mail Postpaid, 35c.

" " 5 Pounds, \$1.00, by Express Prepaid, \$1.25.

" " 25 " 4.75. " " 5.25.

" " 100 " 18.00, by Express or Freight, Purchaser Paying Charges.

Our list of seeds comprises all the standard varieties, together with those apparently most valuable of recent introduction. The seeds and bulbs we offer have been raised under the supervision of our most reliable growers, and are unsurpassed in quality; but as practical experience has demonstrated that owing to unfavorable weather and improper treatment the best of seeds or bulbs may fail, we desire it distinctly understood that for these reasons only **we do not warrant seeds or bulbs.**

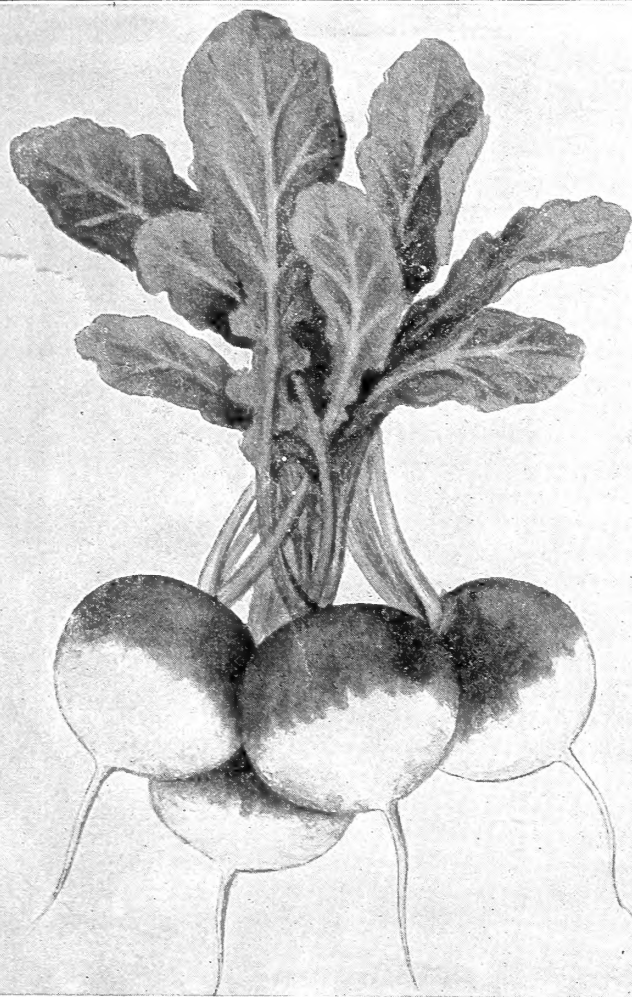
Vegetable or Flower Seeds ordered by the packet, ounce, 2 ounce, $\frac{1}{4}$ lb. and pound, are delivered free anywhere in the United States. Postage must be added to all Peas, Beans and Corn at the rate of 10c. per quart, if wanted by mail; otherwise we will send by express, purchaser paying the charges.

Remittances should be made by Draft on Bank, Post Office Order, Registered Letter or Express Money Order. Small sums may be sent in Postage Stamps of small denominations. Particular care is essential in having Name, Post Office, County and State distinctly written. We are in receipt of many orders deficient in these important particulars, often causing a delay of weeks in executing them, to the great inconvenience of both parties.

STUMPP & WALTER CO.

50 Barclay Street, New York

Novelties and Specialties in VEGETABLE SEEDS



New Radish, White Tip Sparkler

for years to get a better strain of cucumber for growing out of doors as well as for forcing, and after repeated failures has at last succeeded in fixing a perfect type combining quality, shape, color and productiveness. In color, a dark, glossy green; shape, slim and symmetrical, with an average length of ten to twelve inches. They never grow pussy and hold their color until nearly ripe, when they turn white without a sign of a yellow streak on them. The quality is fine, as the seeds are very soft when the cucumber is fit for table use. The flesh is very tender and brittle and of exceptionally good flavor.

Another strong point of merit is its splendid shipping qualities. It seems to hold its color and brittleness long after being cut, and, on account of its being such a strong grower, it is able to resist the cucumber disease which works destruction among so many of the best forcing varieties.

Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, 5 lbs. \$10.00.

Dark-Leaved Globe Beet

THE DARK FLESHED ROUND BEET

Hitherto, the improved selections of turnip-rooted Beet have been wanting in that important essential, a dark leaf. The novelty we offer has not only a dark leaf like the best decorative strains, but is equal in the color of the flesh to the Dell's type. These two important features coupled with its handsome form place this variety in the front rank of this class of Beet.

Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

New Radishes White Tip Sparkler

White tipped Radishes are justly popular by reason of their attractive appearance, but the varieties already in existence are either too dull in the ground color or lack a clearly defined white tip.

"Cooper's Sparkler"

A quite distinct variety now offered for the first time, fulfills every requirement in each respect, the color being a rich carmine scarlet with a very pronounced tip of the purest white.

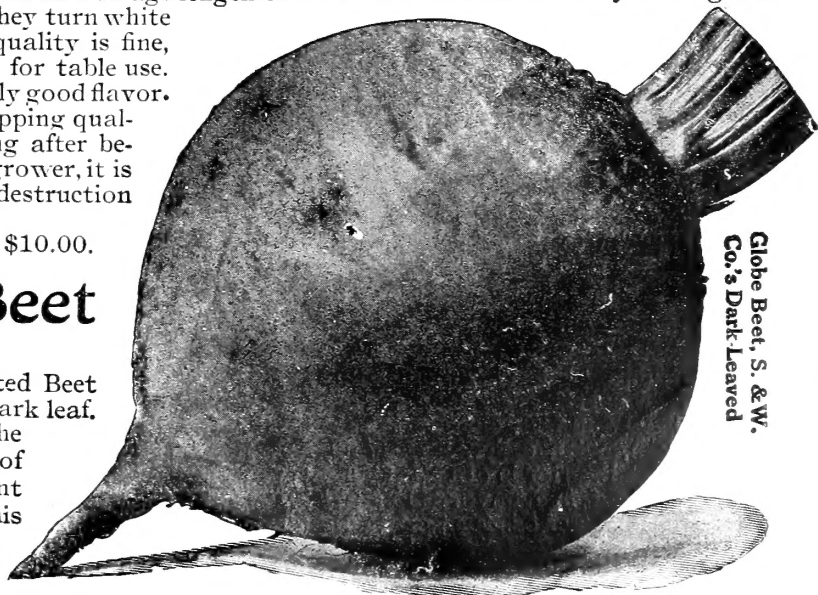
The roots even when fully developed are solid, crisp and sweet, and remain fit for use as long as the coarser kinds.

It is equally well adapted for forcing in frames or growing in the open ground, for, while the leaves are small, as shown in the accompanying photograph, they are sufficiently large for bunching.

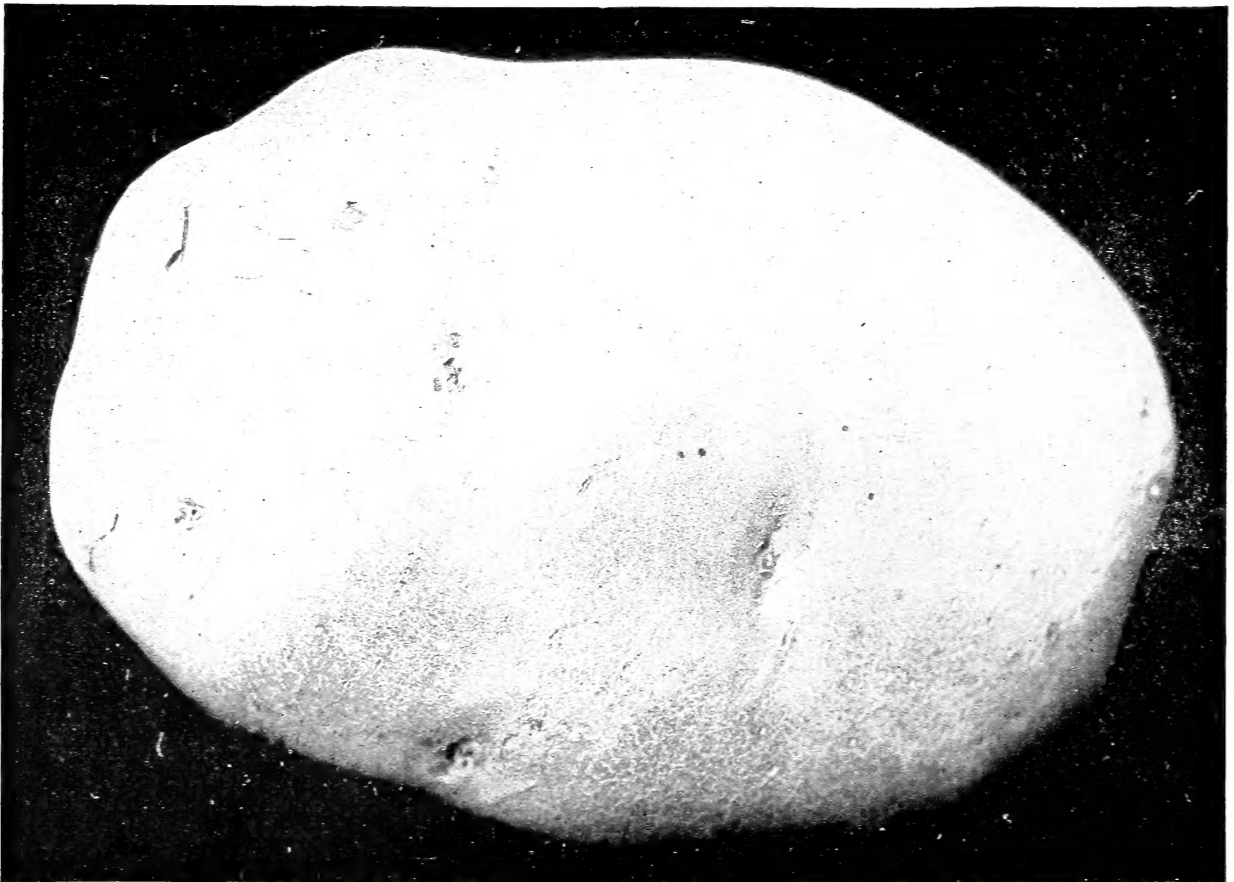
Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

DAVIS PERFECT CUCUMBER

The originator of this cucumber states that he has been experimenting



**Globe Beet, S. & W.
Co.'s Dark-Leaved**



NEW POTATO MERRILL

It has a wonderful top growth, very large stalks and leaves and large clusters of blossoms. Tubers very white, well netted skin, which is nature's mark of good quality; oblong in shape and grows very large. We had tubers of this grand potato last year that were smooth and shapely which weighed three pounds. Two of these potatoes would reach across the top of a sugar barrel, end to end. Last year the growers of this potato raised 75 bushels of potatoes from one bushel of seed. In our trials last Summer it proved one of the best potatoes in appearance and yield and for cooking quality we have never seen its equal.

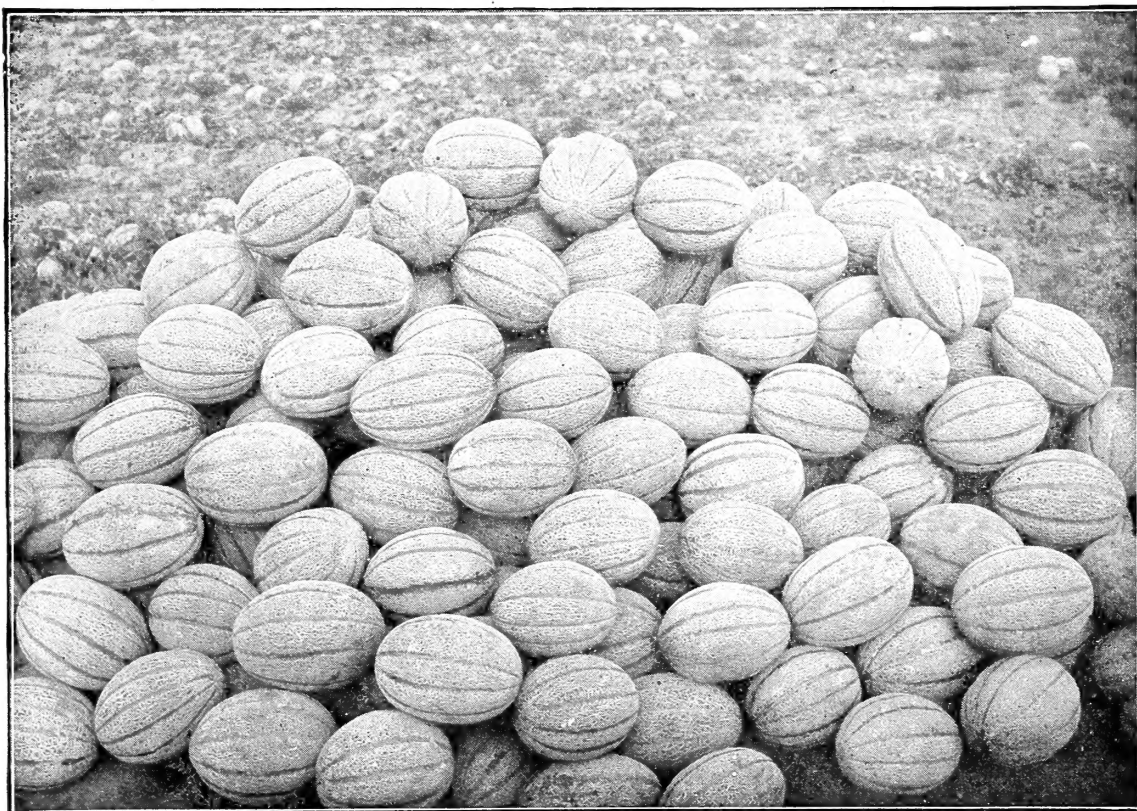
	By express or freight not prepaid		By express or freight not prepaid
2 pounds	\$0 35	Peck (15 pounds)	\$1 50
4 "	60	½ Bushel (30 pounds)	2 50
8 "	90	Bushel (60 pounds)	4 50
		Barrel (165 pounds)	12 00

Cabbage-Lettuce DUMONT

The great value of this Lettuce, which has actually been cultivated in quantities for the markets of Boston and other large places with the greatest success, and of which the most favorable reports have been received from all parts, is its surprisingly rapid development, its size, weight, tenderness, hardness and the fact that it not only forces well in moderate heat, but develops its large crop of magnificent heads in the open ground about ten days sooner than any other sort. The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Per pkt., 10c., per ½ oz. 25c., per oz. 40c., per ¼ lb. \$1.50.



CABBAGE-LETTUCE
DUMONT



GOLDEN GEM MUSKMELON

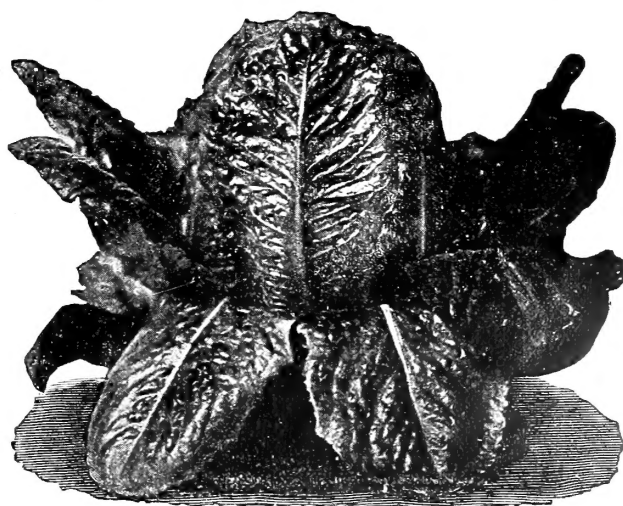
Golden Gem is a combination of the characteristics of the following varieties: Osage, Defender, Rocky Ford and Acme, and more particularly the Defender and Acme. It is the result of personal efforts to produce an ideal market melon. Such a melon requires the development of many vital points. It has a tough, thin rind, well arched ribs covered with a closely laced and interlaced gray netting. The blossom end is protected with a well developed button. Shape, quite elongated—the diameter from stem to blossom

being one-third more than from top to bottom. Meat, of a reddish orange, very thick, fine grained and spicy, not containing too much water or acid. Seed cavity, small and triangular, the seed closely held in place in three lobes. (This is one of the first points to consider in a shipping melon, as if the fibrous growth containing the seeds is not well developed, the seeds soon shake loose and the melon as quickly begins to decay, One of the best melons so far introduced for table use.) Per pkt. 15c., oz. 40c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

ECLIPSE COS LETTUCE

The Earliest and Dwarfest Cos Lettuce

A perfectly distinct variety. It is the dwarfest Cos Lettuce, and produces a firm crisp heart quicker than other sorts. Moreover, it is the most self-folding variety. These three characteristics will ensure its demand for early use, whether in the gentleman's garden or for market work. In color it resembles the Paris White, but is somewhat greener. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.



Lettuce, Eclipse Cos

BEET

"WITHAM FIREBALL"

A new and quite distinct extra early turnip-rooted variety of the finest table qualities. The flesh is solid, crisp and sweet, and of a brilliant fiery red color, something like the color of Eclipse, but much more intense.

As will be seen by the accompanying photo, it is of a perfectly globular form, with smooth skin, a tiny tap root and very slender leaf stalks.

It is therefore specially adapted for early framework, but it can be sown with equal success in the open ground. While it is as early as the earliest strains of the inferior flat Egyptian, it conserves the good qualities for a very much longer time.

Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

NEW EXTRA EARLY BLUE PEA

"VELOCITY"

A most valuable introduction combining all the merits of the best strains of "Earliest of All" (Eclipse) with extreme earliness. Sown on the same day and under similar conditions it is fit to pick from 10 to 14 days earlier, and produces an equally good crop.

In general appearance the plant resembles a dwarfer form of "Eclipse," growing about 2 feet high.

The peas are uniform in size, which greatly adds to their value.

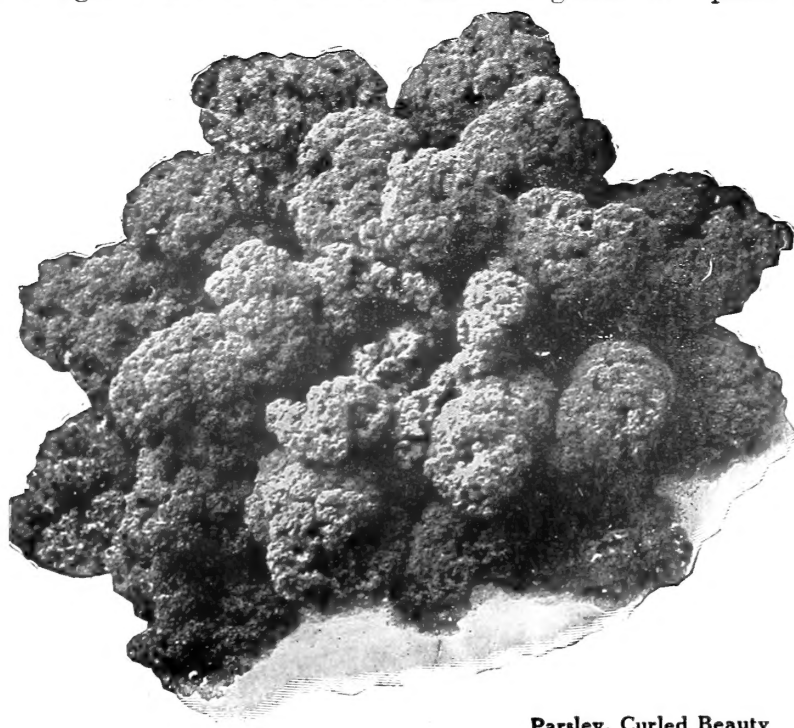
As all the profit on growing early peas is made during the first ten days' sale, the value of Cooper's "Velocity" to market growers cannot be overestimated, while for private gardens it is admirably adapted to furnish the petit pois now so highly esteemed.

Per $\frac{1}{2}$ pt. 20c., pt. 35c., qt. 60c., 4 qts. \$2.25.

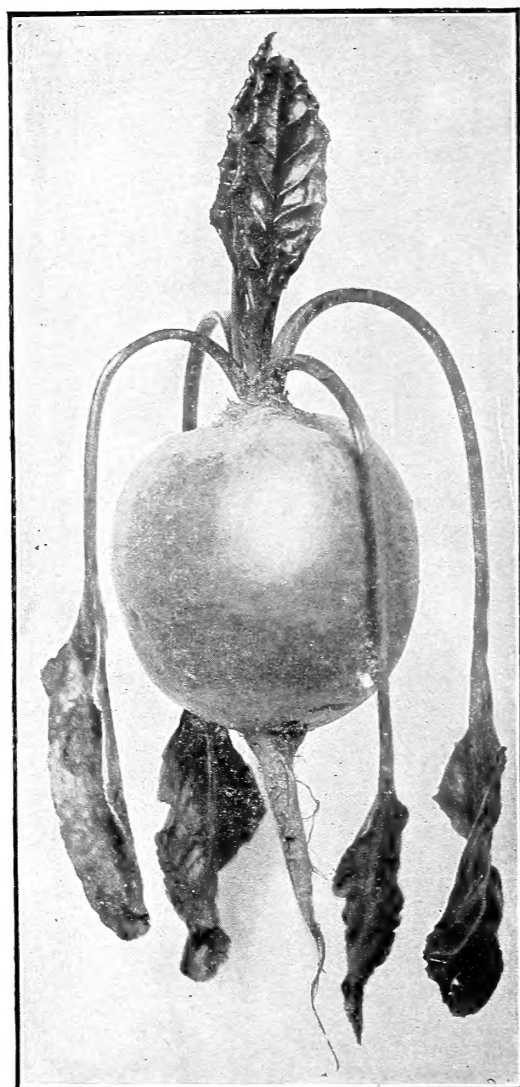
PARSLEY

CURLED BEAUTY

Distinct in appearance from any of the other varieties, being of a lighter and more brilliant shade of green. The plant is



Parsley, Curled Beauty



Beet, "Witham Fireball"

of dwarf habit, with leaves finely cut and very curly. To growers for the market, as well as for private gardens, we commend this sort.

Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 90c.

SPINACH

"TRIUMPH"

Hardy, Long Standing

A new, distinct and very hardy round-seeded Spinach with large thick fleshy dark green leaves which are produced in great abundance even in the coldest season.

While hardiness is one of its most meritorious features, it is equally valuable for Summer use, both on account of the good qualities of the leaves and the fact that the plant is slower in running to seed than any variety now in commerce.

This Spinach has been submitted to the most severe tests at the Witham Seed Farms during the past three years, and we confidently recommend it as a novelty of sterling merit.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

CARTER'S DANBY STRATAGEM

A distinct improvement on the original Stratagem, having longer, straighter and broader pods, a finer flavor and very freely produced

The haulm is very robust, and extends to a height of 2½ feet, bearing a profusion of immense pods, many six inches in length, and frequently containing ten large full-flavored Marrow Peas. The finest flavored of all the peas and should be grown in every garden.

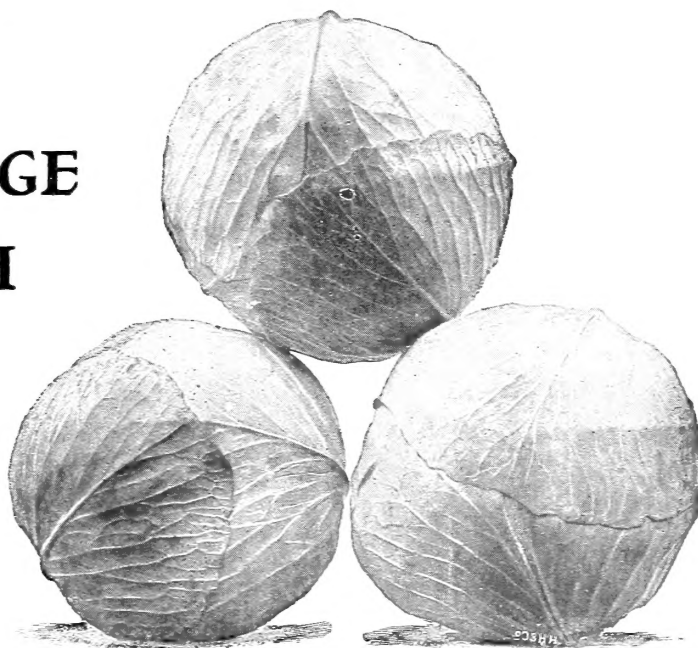
Per pkt. 15c., pt. 25c., qt. 40c.,
4 qts. \$1.50, 8 qts. \$2.75.

CABBAGE DANISH

DRUMHEAD

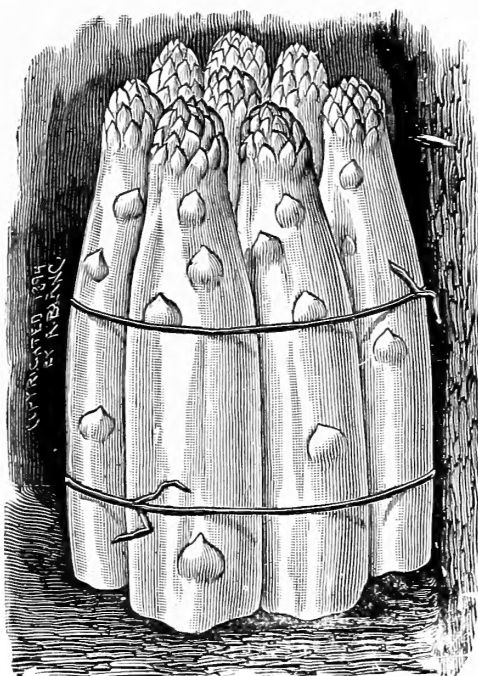
Averages much larger in size than the Ball head, is about two weeks earlier, fine grained, sweet flavored, and the best cabbage for winter use.

Per pkt. 10c., ½ oz. 20c., oz. 35c.,
¼ lb. \$1.00, lb. \$3.50.



High-Grade Vegetable Seeds

PLEASE NOTICE that the prices herein quoted include delivery on seeds in packets, ounces and pounds. On Peas, Beans and Corn, add 5c. per pint and 10c. per quart to cover postage.



Asparagus, Columbian Mammoth White

ASPARAGUS

One ounce will plant about 50 feet of drill.

CULTURE.—Sow in November or March in drills two inches deep and fourteen inches apart. After one year the roots will be fit to transplant. The principal points to be attended to in planting are good drainage, trenching the ground three feet in depth, mixing in a heavy portion of rotten manure, also adding a good portion of sea or river sand. Plant out in spring, in beds three or four feet in width, each plant one foot apart. Fork over the surface of the beds in fall, and cover with rotten manure.

Conover's Colossal. A mammoth green sort of the largest size and of good quality. The best of the old kinds. Per pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 40c.

Columbian Mammoth White. A sport from Conover's Colossal. It produces pure white shoots and requires no artificial blanching. Per pkt. 5c., oz. 10c., ¼ lb. 20c.

Palmetto of Southern Origin. A very desirable bright green Asparagus. Per pkt. 5c., oz., 10c., ¼ lb. 20c.

ASPARAGUS ROOTS

Selected Roots , either variety.....	\$0.75 per 100;	\$6.00 per 1000
Extra Selected Roots , either variety.....	1.50	10.00
Mammoth. “ “	2.00	15.00

BEANS, LIMA (Pole)

CULTURE.—Lima or Shell Beans are not to be planted too early or they will rot: May 20 to June 1 in the latitude of New York is about right. Put five or six seeds in hills three to four feet apart each way, placing them edge-wise with the eye downward and covering two inches deep. They require a pole seven feet high, and a nice warm loam. Pinch back when the vine reaches the top of the pole and the yield will be increased. They may be started early under glass in small boxes, and transplanted about the time the seeds are usually planted. Limas are the most popular table bean; surplus stock may be ripened and dried for winter use.

Lima. Challenger. Early and very productive. Quality the best. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Lima. Early Jersey. Medium early, very productive. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Lima. King of the Garden. The pods are very long and the green beans are extra large. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Lima. Large White. Large, greenish-white beans, of finest flavor, shelled green, and also good dried for winter use. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Lima. Ford's Mammoth. Without exception the largest podded, finest flavored and most productive of all Lima beans. Per ½ pt. 15c., pt. 25c., qt. 45c., pk. \$3.00.

BEANS, BUSH LIMA

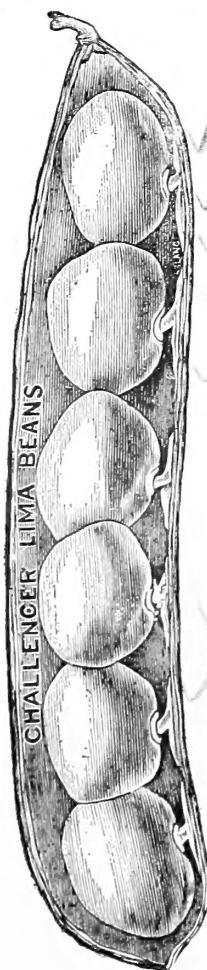
One quart will plant 100 feet of drill.

Plant in light, rich soil, in drills two feet apart, dropping the seeds about one foot apart in a row and cover two inches.

Henderson's Bush Lima. Early and very productive. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Burpee's Bush Lima. A bush form of the large Pole Lima, the beans being large and flat like those of that variety. Very productive and of excellent quality. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Dreer's Bush Lima. The Bush form of Dreer's Improved Lima, the beans growing close together in the pods. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$3.00.



Beans, Burpee's Bush Lima

BEANS, DWARF GREEN PODDED

One quart will plant 100 feet of drill.

CULTURE.—About the first of May select a warm, dry sheltered spot, dig and manure slightly, make drills two inches deep and eighteen inches apart; place the beans three inches apart in the drills and cover about two inches deep; use the hoe frequently to keep down the weeds. Sow every two weeks for a succession.

Burpee's Stringless. The only stringless green pod bush bean in cultivation, consequently it surpasses all others in crisp, tender flavor. The finely shaped, long green pods are absolutely stringless; and when we add that the pods are ready to market two weeks earlier than the best stock of improved Extra Early Red Valentine, we are sure that Stringless Green Pod will supply a long-felt want. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

Dwarf Horticultural. Late and productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Refugee. Medium to late, very productive and tender, and largely grown for main crop; round pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Black Valentine. This variety possesses all the good qualities of the old favorite Red Valentine, besides other points making it very valuable. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Early Mohawk. Very early and very productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Early Long Yellow Six Weeks. Very early, flat pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Improved Red Valentine. Round green pods, early and tender. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

Refugee Extra Early. This sort has the qualities of the famous late variety of the same name, but is considerably earlier in podding. Per pkt. 10c., pt. 20c., qt. 25c., pk. \$1.75.

Large White Kidney. Excellent as a shell bean. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Longfellow. Long, straight, round, solid green pods; early. Per ½ pt. 10c., pt. 20c., qt. 35c.

Bountiful. Extra early, very prolific and long bearing, flat, green pods, tender and stringless. Per ½ pt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Best of All. An extra good sort. Per ½ pt. 10c., pt. 15c., qt. 25c.

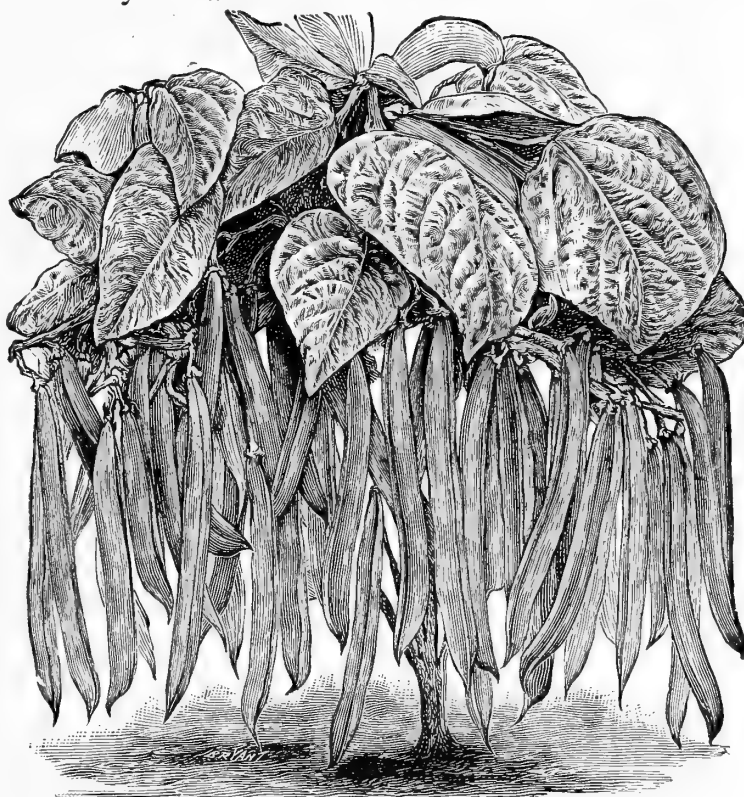
Giant Stringless Green Pod. Improved stringless variety. Per ½ pt. 15c., pt. 25c., qt. 40c.

Giant Podded Valentine. Long podded strain of Valentine. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

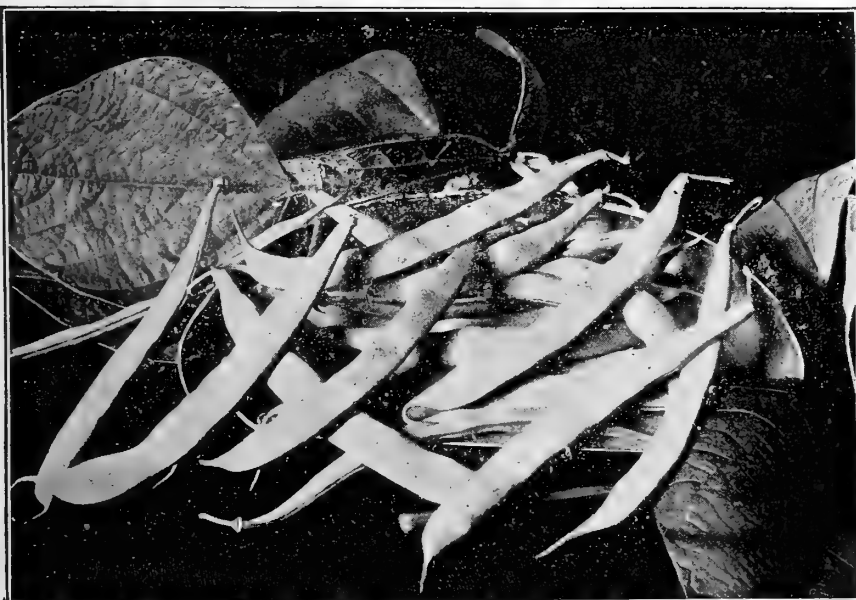
Emperor William. For forcing. Per ½ pt. 15c., pt. 25c., qt. 40c.

Ne Plus Ultra. For forcing. Per ½ pt. 15c., pt. 25c., qt. 40c.

French Yard Long. Per ½ pt. 25c.



Beans, Burpee's Stringless Green Pod



Beans, Bountiful Stringless Green Pod

Our Packages of Beans contain
a Full Half-Pint.

On Beans add 5c. per pint, and 10c. per quart to cover postage.

BEANS

One quart will plant 100 feet of drill.

CULTURE.—About the first of May select a warm, dry sheltered spot, dig and manure slightly, make drills two inches deep and eighteen inches apart; place the beans three inches apart in the drills and cover about two inches deep; use the hoe frequently to keep down the weeds. Sow every two weeks for a succession.

Notice
Our packages of Beans contain a full half-pint.



Beans, Currie's Rust Proof Wax

foliage. The dry beans are kidney-shaped, clear white, and excellent for baking. Per pkt. 10c., pt. 20c., qt. 30c.

Valentine Wax. It is handsome in appearance, and while it is fair to say that we have not yet seen it exposed to conditions conducive to the development of rust, yet we think it will prove to be almost rustless. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

Jones's Stringless Rust Proof Wax. This grand absolutely stringless bean is the result of five years' systematic cross-breeding. It will without doubt become one of the most popular of all our Wax varieties now grown, combining points never before obtained in a true stringless wax pod. Per ½ pt. 15c., pt. 25c., qt. 40c., pk. \$2.00.

Golden Eyed Wax. Rapid and vigorous in growth, yielding abundantly; flat pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Broad Windsor. The largest variety grown; very tender and delicious. Per pkt. 10c., pt. 20c., qt. 40c.

POLE, OR RUNNING BEANS

One quart will plant 100 hills.

Old Homestead. Enormously productive. The pods hanging in great clusters from top to bottom of the pole. It is entirely stringless and the pods are a silvery green color. Per pkt. 15c., pt. 25c., qt. 35c.

Golden Champion. This is certain to be the leading Early Wax Pole Bean, as it is fully two weeks earlier than Golden Cluster Wax Pole. Per pkt. 15c., pt. 25c., qt. 40c.

Lazy Wife's. The very best late green podded Pole Bean. The pods are of a medium dark green color, broad, thick, very fleshy and entirely stringless. Per pkt. 15c., pt. 25c., qt. 35c., pk. \$2.25.

Horticultural, or Speckled Cranberry. Pods are tender and of fine quality. Per pkt. 10c., pt. 20c., qt. 30c.

Scarlet Runner. Bright scarlet flowers. Both used as a string and shelled bean. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75.

White Dutch Runner. Per pkt. 10c., pt. 20c., qt. 30c.

DWARF WAX, PODDED VARIETIES

Currie's Rust Proof Black Wax. Pods long, flat and tender; early and productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75.

Improved Black Wax. Very early and productive. Per pkt. 10c., pt. 15c., qt. 30c., pk. \$2.00.

Improved Golden Wax. Very early, flat golden pods. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

Refugee Wax. Earliest of all the wax beans, with long yellow pods; wonderfully productive. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

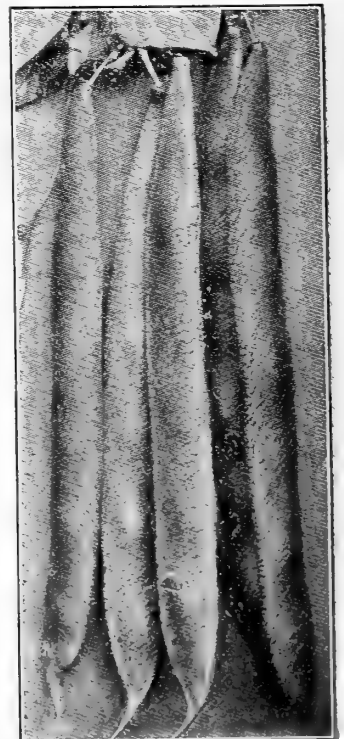
Wardwell Kidney Wax. Extraearly, long flat purely wax pods. Per pkt. 10c., pt. 25c., qt. 30c., pk. \$2.00.

White Wax. Stringless yellow pods, very tender. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

Flageolet Wax. This is really one of the most valuable varieties for either private or market garden purposes. It is as early as either the Black or Golden Wax sorts, and has a peculiar value in the fact it is nearly always exempt from rust. The pods are often a foot in length, exceedingly succulent and tender. It is an enormously productive variety. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Yosemite. Mammoth Wax. The pods frequently attain a length of 10 inches, with the thickness of a man's finger; the pods are of a rich golden color and are absolutely stringless, cooking tender and delicious. Per pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Davis Kidney Wax. This is the most hardy and productive bush wax podded bean in cultivation. The vine is rustless and very vigorous, bearing near the center many clusters, some of which extend above the



Beans, Scarlet Runner

BEET

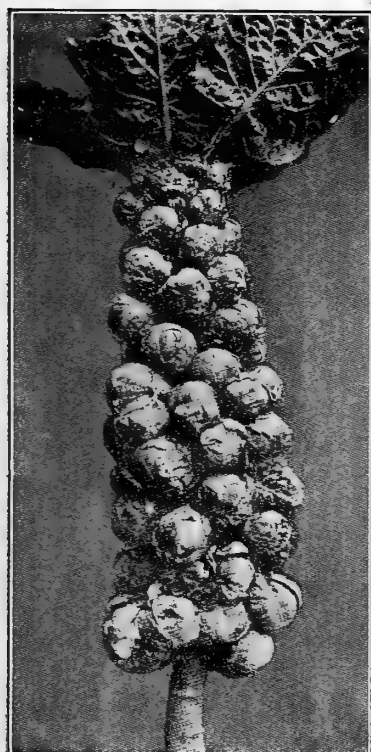
One ounce will sow 100 feet of drill.

CULTURE.—Sow as soon as the ground is free from frost and dry, in the Spring, in drills two inches deep and eighteen inches apart; thin out to six inches. For family use in Winter, sow in July or August.

Crimson Globe. For description and cut see page 1. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. \$1.00.

Detroit Dark Red Turnip Beet. Extended experience has shown this variety to be the best deep red turnip beet, not only for market gardeners, but for the home garden. Its small upright growing tops, early maturing, and the splendid shape and the color of the roots, make it popular with everyone who plants it. Tops small, upright growing, so that the rows may be close together; leaf stems and vines dark red, blade green; roots, globular or ovoid, peculiarly smooth; color of skin dark blood-red; flesh, bright red, zoned with a lighter shade, very crisp, tender and sweet, and remaining so for a long time. We believe that the stock of this variety which we offer will produce a crop more uniform in shape, color and quality than any other beet seed obtainable. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Crosby's Egyptian Beet. An excellent first early variety—it produces roots of marketable size in shorter time than any other sort. This feature alone places it at the head of the list for growing in cold frames or greenhouses. In selecting this variety, we aim to keep it as uniform in shape and as dark in color as is possible without retarding its earliness. We also use great care to have its tops small, yet plenty large enough to bunch easily. After repeated comparative trials, we know that our type of Crosby's Egyptian Beet more nearly fills every requirement for the market gardener's use than any other stock. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.



Sprouts, Brussels



Beets, Crosby's Egyptian

Extra Early Egyptian. Earliest of all the round sorts. Deep blood color. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Edmand's Blood Turnip. Very regular in shape; deep blood-red color and exceedingly sweet. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Bassano. Early, flat, of very light color. Sweetest of all the turnip varieties. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Eclipse. Almost as early as the Egyptian, but of much finer quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Half-Long Blood Beet. The top is medium in size and of a very rich glossy crimson. The bulb is three inches in diameter at shoulder, tapering in pear-shaped form to the slender root, and is entirely free from roughness. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

SUGAR BEETS AND MANGELS

Use four to six lbs. of seed to an acre. Plant in drills about two feet apart each way; the seeds should be dropped about two inches apart in drills; thin out plants to twelve inches apart.

Mammoth Long Red. Largest and most profitable variety grown for agricultural purposes. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

Champion Yellow Globe. Adapted for growing in shallow soils. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

Red Globe. Similar to the Yellow Globe. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

White Sugar. Useful for making sugar. Per $\frac{1}{4}$ lb. 15c., lb. 25c.

Klein Wanzleben. Improved Sugar Beet. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants.

CULTURE.—Sow in May, in shallow drills, one inch deep and twelve inches apart. Transplant in July. When the crown or top sprout is beginning to head, pinch it out, to admit of the whole strength being thrown into the side shoots. Very hardy. This is a delicious vegetable and should find a place in every garden; greatly improved by hard frosts.

Improved Dwarf. Compact heads of best quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

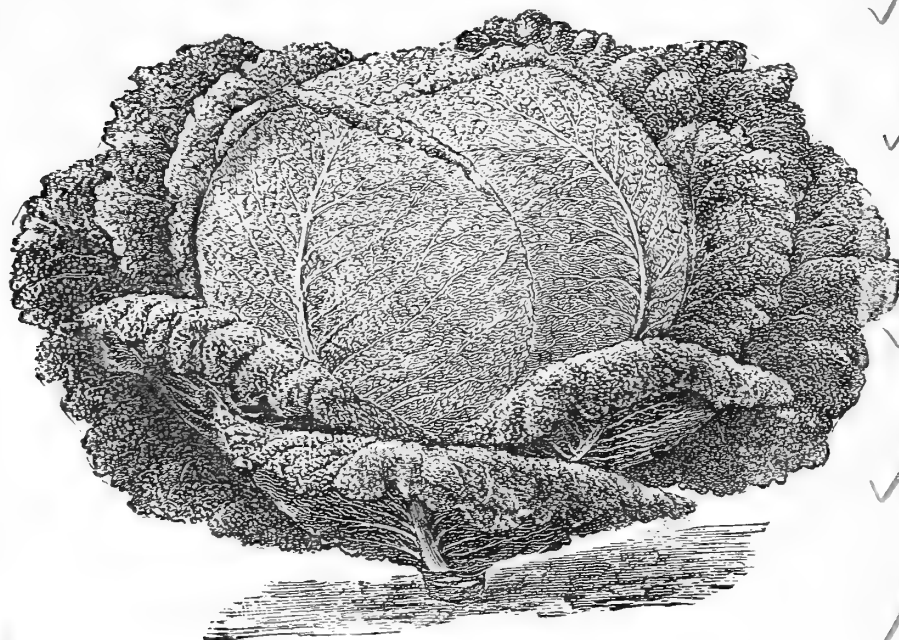
S. & W. Co.'s Favorite. New semi-dwarf, thickly covered with sprouts by the end of September; excellent. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c.

CABBAGE

One ounce will produce about 3000 plants.

CULTURE.—Sow the early kinds in September, in shallow drills, six or eight inches apart. When large enough to handle transplant into a cold frame. Sow also in hotbeds in February and March, and in the open ground in April and May. The late varieties for Fall and Winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts twenty inches distant in a row and two feet between the rows; the latter sorts two and a half feet each way. To be well grown, cabbages require a deep, rich loamy soil.

Our cabbage seed is especially grown for us on Long Island, and we offer it as being of superior quality.



Cabbage, American Drumhead Savoy

✓ **The Houser.** A new and entirely distinct round late cabbage; the largest, hardest-heading, fine-grained cabbage known. Per pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$2.00.

✓ **Early Spring.** A new extra early cabbage, with a round flat head, coming in with the Early Jersey Wakefield, and yielding one-third more on the same space of ground than any other extra early. Per pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

✓ **Improved Early Jersey Wakefield.** The finest early variety grown; conical in shape; medium-sized heads; very solid and of superior quality. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

✓ **The Charleston, or Large Type of Wakefield.** A variety having all of the characteristics of the Early Jersey Wakefield, but of a greater size, and is but a few days later. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c.

✓ **Early Winnigstadt.** Standard second early variety. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

✓ **Henderson's Succession.** Very similar to the preceding variety. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

✓ **Autumn King.** We believe this to be one of the finest strains of cabbage ever offered. It produces regular, even heads of enormous size; a magnificent cropper. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

✓ **American Drumhead Savoy.** None of the late-growing varieties can begin to equal in flavor this sort for family use; heads large, solid and a splendid keeper. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

✓ **Early Dwarf Ulm Savoy.** A very early and superior dwarf variety of fine quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Large Late Drumhead.** Very large, solid heads; standard variety for Winter use. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

✓ **Large Late Flat Dutch.** Without exception, the best variety in cultivation for Winter use; produces immense heads of the finest quality; splendid keeper. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

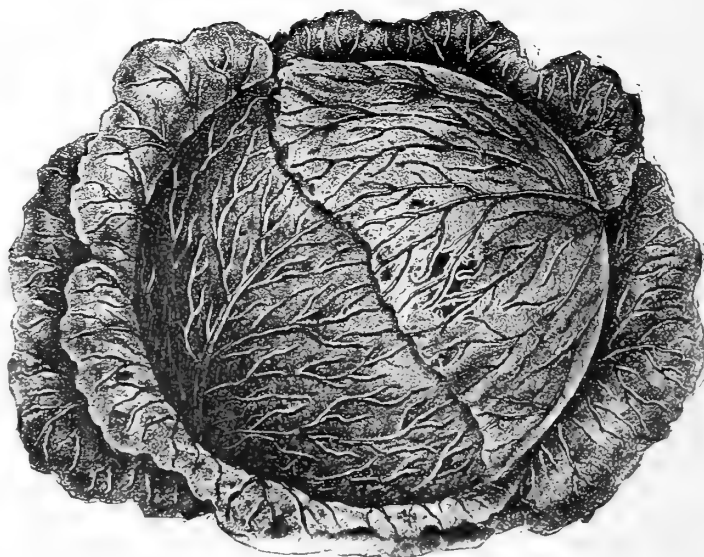
✓ **Mammoth Rock Red Cabbage.** This is by far the best, largest and surest heading red cabbage ever introduced. The plant is large, with numerous spreading leaves. The head is large, round, very solid, and of a deep red color. The best cabbage on the market. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

✓ **Red Dutch.** Used almost exclusively for pickling. It is one of the hardiest of all cabbages, and when preserved will keep later in the season than any of them. It is slow to mature, however, and requires a rich soil for its perfect development. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

✓ **Early Flat Dutch.** A valuable early market variety; heads weighing about 10 lbs. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

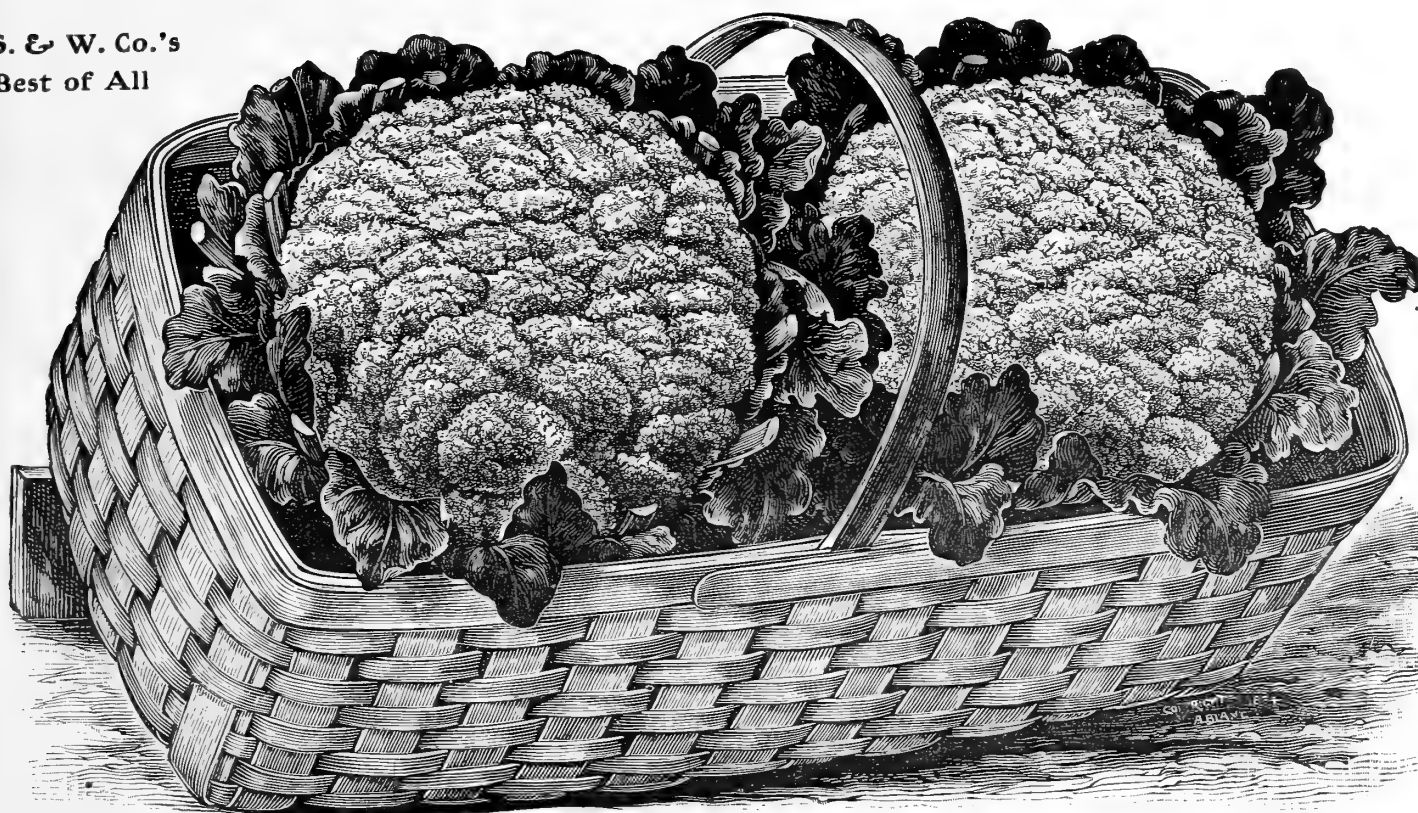
✓ **Early Summer.** A superior second early variety; produces solid heads of fine quality. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

✓ **Holland, or Danish Ballhead.** Its principal value lies in its hard heading qualities, which make it positively the best shipper of any on the market. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.



Cabbage, Holland or Danish Ballhead

S. & W. Co.'s
Best of All



CAULIFLOWER

One ounce will produce
about 3000 plants.

CULTURE—Sow the first week in May and prick out on a rich piece of ground; transplant in July. For wintering under glass sow in the second and last weeks in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well in very severe. Again sow in February in a hotbed and transplant in April. For cauliflower the ground should be well prepared by trenching, incorporating at the same time a good share of rotten manure. Select new ground, if possible, as cauliflower rarely succeeds on ground which has been cropped year after year with other kinds of vegetables. Plant in rows twenty inches apart and two feet between the rows.

S. & W. Co.'s Best of All, Earliest of All. Easiest grown, surest header. It is of very dwarf, erect habit, with short outer leaves. Can be planted less than two feet apart each way. It is a sure header, every plant forming a large, solid, perfect head, of the finest table quality. Per pkt. 25c., per ¼ oz. \$2.00, per oz. \$7.00.

Selected Extra Early Dwarf Erfurt. Per pkt. 25c., ¼ oz. \$1.75, ½ oz. \$3.00, oz. \$5.50

Early Dwarf Erfurt. Per pkt. 15c., ¼ oz. \$1.00, ½ oz. \$1.75, oz. \$3.00.

Early Paris. An old and favorite sort, excellent for family use. Per pkt. 10c., oz. 75c., ¼ lb. \$2.00.

Selected Early Snowball. One of the best for general use; medium size, but sure to head. Per pkt. 25c., ¼ oz. \$1.50, oz. \$4.50.

Veitch's Autumn Giant. Per pkt. 10c., oz. \$2.00.

CRESS, OR PEPPER GRASS One ounce will sow 150 feet of drill.

CULTURE.—This popular salad should be sown early in the Spring. Sow at short intervals for succession, as it soon runs to seed.

Curled, or Pepper Grass. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 40c.

True Erfurt Water Cress. Per pkt. 10c., oz. 35c., ¼ lb. \$1.00.

CHERVIL One ounce will sow 100 feet of drill.

CULTURE.—The curled chervil is cultivated like parsley and used for garnishing and flavoring soups and salads.

Moss Curled Extra. Per pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Turnip Rooted. Per pkt. 10c., oz. 25c.

CHICORY

CULTURE.—Chicory is used chiefly for its roots, which are dried and used as a substitute for coffee. Cultivate the same as carrots.

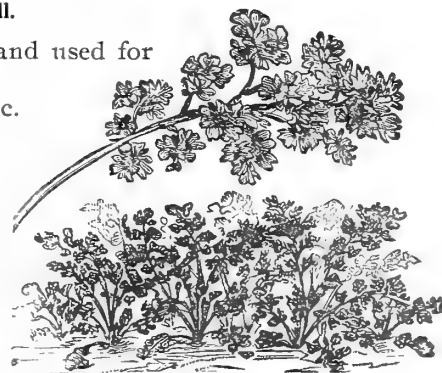
Witloof. Valuable as a salad as well as a vegetable. Per pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.00.

Wild. (Barbe de Capucin). Per pkt. 10c., oz. 30c.

Giant Silesian. Per pkt. 5c., oz. 10c.



Chicory, Witloof



Cress

CARROT

One ounce will sow 100 feet of drill.

CULTURE.—To produce the finest crop, the land should be thoroughly manured the previous season; forked roots will result if the seed is sown on freshly manured soil. Sow the early sorts in March and April, in drills one inch deep and fourteen inches apart; thin out to six inches. For main crop sow in May or the beginning of June.

James' Intermediate. This is certainly the best main crop carrot. It is one of the most uniform in shape that we know, and where the soil is favorable it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. For private purposes it is ideal, and its yielding capacity is enormous, which with its handsome color and fine appearance, makes it invaluable to truckers. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Early French Forcing. The earliest variety and the one largely grown for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. (See cut.) Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.

Chantenay Half-Long Scarlet. A stump-rooted variety, somewhat resembling the well-known Half-Long Red, stump-rooted Carrot, but having a larger shoulder and being much more productive. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Carrot, French Forcing

Danvers. (Half-Long.) Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Selected Danvers. A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, grows to large size, is a smooth, and has little core. It is a first-class Carrot for all soils, yields a greater weight per acre than any other variety, and is more easily harvested than the old long varieties. This selected stock we are now offering has been specially grown for market gardeners and is sure to give satisfaction. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Long Orange Improved. One of the most desirable for either garden or field culture. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Selected Long Orange Improved. One of the most desirable for either garden or field culture, it grows to a large size, fair specimens averaging twelve inches in length, and three inches diameter at the top. All who have cattle should raise a surplus of this Carrot for feeding milch cows during Winter. It increases the flow of milk and imparts to the butter a delicious flavor, and a rich golden color. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Oxheart, or Guerande. A French variety of recent introduction and a decided acquisition. It is intermediate between Half-Long and Horn varieties and perfectly distinct. The shape is nearly oval and the color and quality all that can be desired. Per pkt., 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

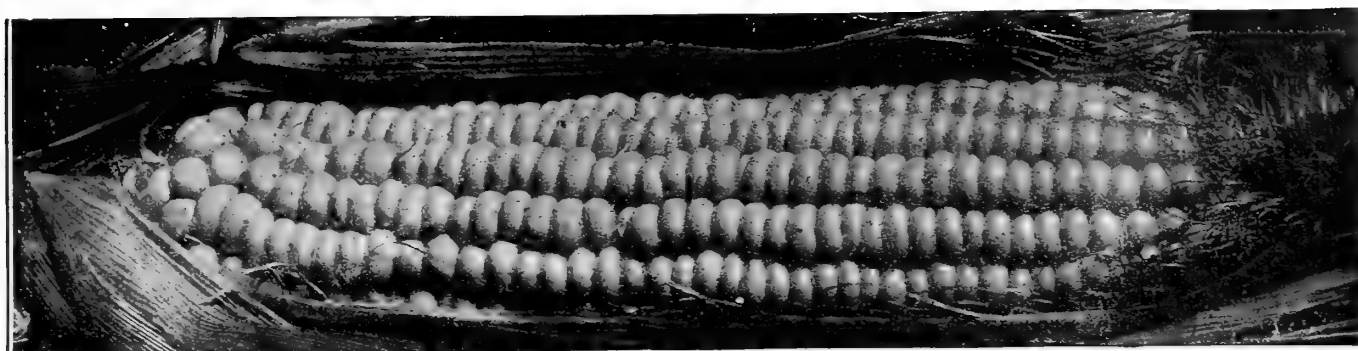
Early Scarlet Horn. Favorite for early crop but not large. Sold largely in New York markets, bunched. It matures eight to ten days earlier than the Long Orange, and is sometimes used for forcing. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Early Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core or heart. It is excellent for forcing, and for fine quality and perfect shape can hardly be surpassed. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Carrot, Early Scarlet Horn

Carrot,
James'
Intermediate



Sweet Corn, Metropolitan

SUGAR CORN

One quart will
plant 200 hills.

CULTURE.—Plant for succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

EXTRA EARLY VARIETIES

Metropolitan. It is safe to say that there has never been on the market any one variety of Corn that combined the essential features of earliness and good flavor in a satisfactory degree. In these important characteristics, "*Metropolitan*" certainly outclasses any other variety. It is only two days later than Cory, which, until now, has been the earliest sort. The plant is distinct, being very strong in stalk, growing 5½ feet in height. The ears are all set low, not over 1½ feet from the ground, producing from two to three to the plant. They are uniformly 9 inches long, 10 to 12 rowed, well filled to the tip with large deep grains, which are very tender. It is not merely sweet, but possesses in a remarkable degree that exquisite richness so well known in the larger and later sorts. Per ½ pt. 10c., pt. 20c., qt. 40c., pk. \$1.50.

Cory Early. (Red Cob.) The Cory is undoubtedly the earliest of all, and the very best extra early Sweet Corn. Those desiring a first early variety can make no mistake in planting the Cory. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

"White Cob" Cory. An extremely early variety, usually fit to use in from fifty to sixty days from seed sowing. A sport or selection from the famous "Red Cob Cory" which for years held popular favor as the best first early. "White Cob" Cory retains all of the qualities of its parent, with the added merit of having a white cob and white kernels. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Minnesota. One of the earliest; ears small, but of fine quality. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Perry's Hybrid. Very early; ears of large size; valuable for market purposes. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Extra Early Evergreen. Ten days earlier than the standard variety. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

MEDIUM EARLY VARIETIES

Stowell's Evergreen. Now recognized everywhere as a standard variety, both for home use and market, and is the general favorite. The ears are of large size, grains deep, exceptionally tender and sugary, and has the advantage of remaining longer in the green state than any other. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best of all medium sorts. Per ½ pt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

Crosby's Early Sugar. Standard early sort; ears good size; fine quality. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Early Mammoth. Very large and tender; similar to the Standard Mammoth variety, but much earlier. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

LATE VARIETIES

Black Mexican. Very sweet and of fine flavor; grains black. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Late Mammoth. Immense ears and very sweet. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

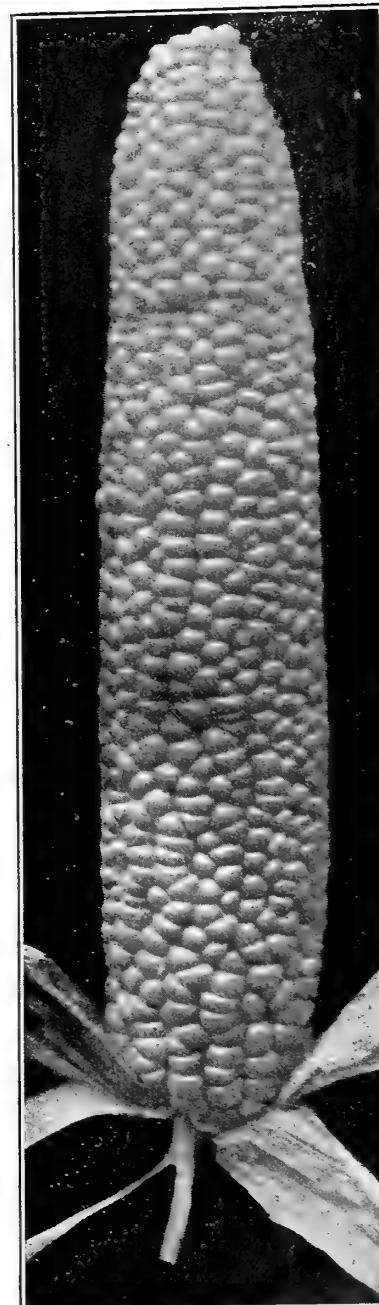
Country Gentleman. The Country Gentleman Corn retains its delicate tenderness and flavor even when a little old, as the ears are encased in a heavy husk, which tends to keep the ear "in the milk" for several days longer than other corns. The cob is unusually small and the pearly white kernels of great depth. Per ½ pt. 10c., pt. 20c., qt. 40c., pk. \$1.50.

CORN SALAD

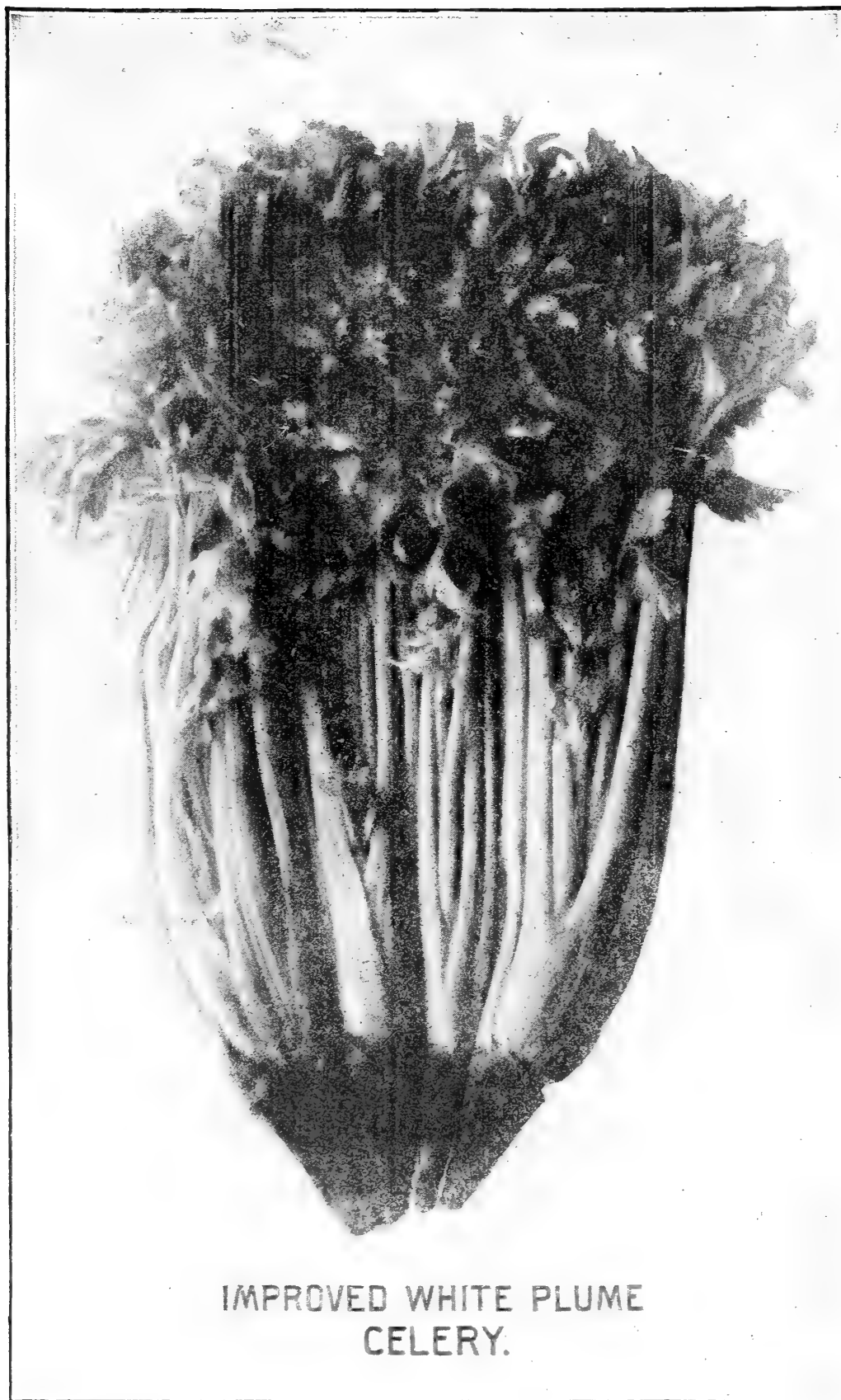
One ounce will sow
150 feet of drill.

CULTURE.—Sow early in the Spring, in drills, one inch deep and ten inches apart. For main crop sow in August and September.

Large-Seeded. Per pkt. 5c., oz. 10c., ¼ lb. 30c., lb. 60c.



Sweet Corn, Country Gentleman



**IMPROVED WHITE PLUME
CELERY.**

CELERY

One ounce will produce
about 3000 plants.

Improved White Plume Celery

is the most popular, as it is not necessary to bank up as is the case with other celeries. It is tender and of the very best flavor, also presents a very ornamental appearance on the table. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Golden Self-Blanching. A self-blanching variety of the White Plume order, but much superior for either family or market gardeners' use; it is of a rich golden yellow color and is the earliest variety grown. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Perfection Heartwell. The finest and largest of the Winter sorts, either for the family or market garden. The heart is golden yellow, and its crisp tenderness and delicious flavor are unequaled. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Winter Queen. This is without doubt the most valuable variety of celery for Winter and Spring use ever introduced, even excelling the celebrated Perfection Heartwell as a late winter keeper. It is also much stouter, thicker and heavier, with double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of a delicious nutty flavor. It is worthy of first place as a late celery, and will keep longer than any other variety. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

CELERY

One ounce will produce about 5000 plants.

CULTURE.—Sow the seed (which is slow to germinate) in shallow boxes, or in a finely prepared seed bed out of doors, in straight rows, so that the small plants may be kept free from weeds.

See to it that the seed bed is kept moist, almost wet, until the seeds germinate, as plenty of moisture is essential to get a satisfactory growth. When about two inches high thin out and transplant so that they may stand two inches apart, and when the plants are four inches high cut off the tops, which will cause them to grow stocky. The crop is usually made to succeed some earlier crop, and if good plants are used they may be set out as late as the middle of August; but the best results are usually obtained from setting about the middle of June or the first of July. In setting, prepare broad, shallow trenches about six inches deep and four feet apart, in which the plants should be set six inches apart, cutting off the outer leaves and pressing the soil firmly about the roots. When the plants are nearly full-grown they should be "handled," which is done by one man gathering the leaves together, while a second draws the earth about the plant to one-third its height, taking care that none of the earth falls between the leaves, as it would be likely to cause them to rust or rot. After a few days draw more earth about them, and repeat the process every few days until only the tops of the leaves are visible, or the leaves may be pressed together by two wide boards held firmly a few inches apart by cross-ties and stakes, when in a few days more they will be fit for use. Care should be taken that the plants are not disturbed while they or the ground are wet, as it would be sure to injure them. A part of the crop may be simply "handled," and then at the approach of severe freezing weather taken up and set out compactly in a dark cellar or an unused cold frame, which can be kept just above the freezing point, and it will then gradually blanch so that it may be used throughout the winter. Should the plants begin to wilt, water the roots without wetting the stocks or leaves, and they will revive again.

Kalamazoo. Large ribbed. A good, half-dwarf, white solid celery. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. \$1.50.

Giant Pascal. A desirable long-keeping green Winter Celery; robust, healthy, stocky, about 2 feet high, making broad, thick, stringless stalks and large hearts. It blanches easily to a pearl-white when it is crisp, and of fine nutty flavor. Per pkt. 10c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

Fin de Siecle. Very large, hardy, crispy and fine flavored. Excellent for Winter use. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c.

London Red. A dwarf growing rich colored celery, very crisp and of rich flavor. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Boston Market. Dwarf, branching habit; solid, crisp; a favorite variety. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Golden Heart. A highly recommended variety. Full golden heart, and an excellent keeper. Per pkt. 5c., oz. 20c.



Celery, Golden Self-Blanching

Crawford Half Dwarf. Vigorous growth and excellent flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Pink Plume. The same as White Plume, except the stalks are tinged with pink. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

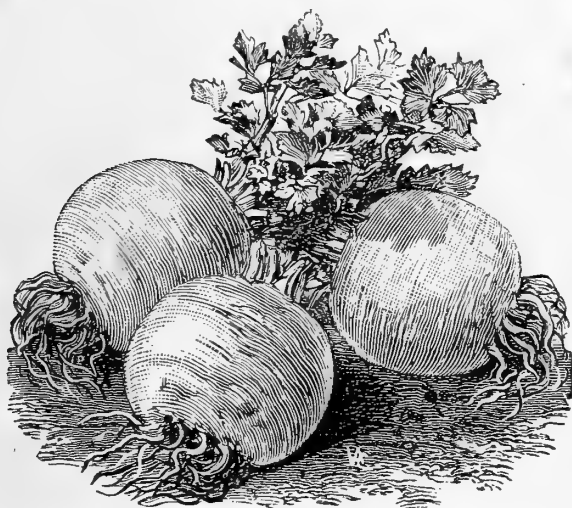
Celery Seed. For flavoring pickles, etc. Fresh, clean and highly flavored, not the kind generally found at grocers. Per oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c.

CELERIAC or Turnip-Rooted Celery

CULTURE.—A variety of celery with turnip-shaped roots, which are white-fleshed, tender and possess the flavor of celery stalks. Sow the seed in the open ground in April and treat the young plants the same way as celery.

Large Smooth Prague. Very large and fine; roots of superior quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Erfurt Giant. Very large and smooth root. Per pkt. 5c., oz. 20c.

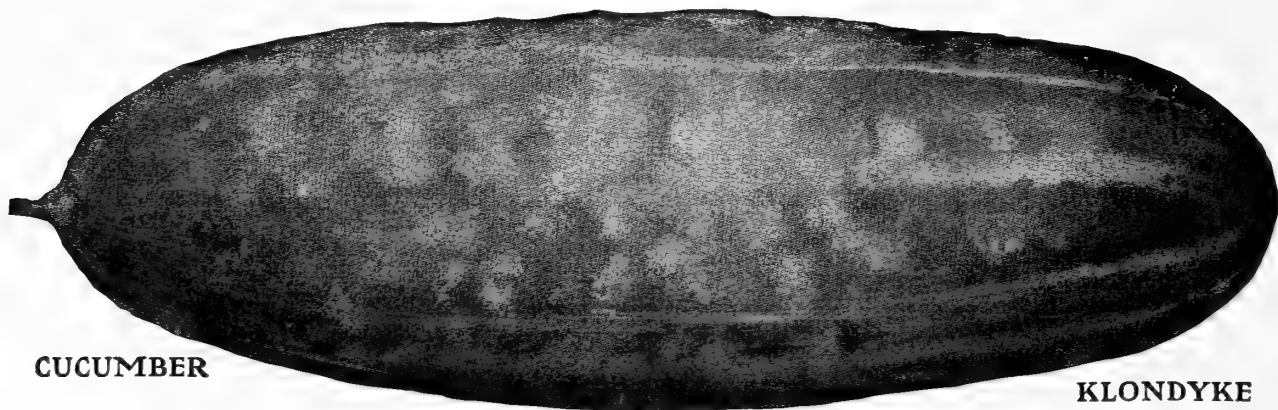


Celeriac, Large Smooth Prague

CUCUMBER

One ounce will plant about 50 hills.

CULTURAL DIRECTIONS.—The first planting should be made early in May on partly spent hot-beds; inverted sods form an excellent medium for both planting on and carrying the young plants to their permanent location, or small paper pots can be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks, and are seldom troubled with the striped bug. Transplanting, when practical, should be done in the evening, into hills four feet apart each way. Thin out to about four plants to a hills when established. The seed may be planted in hills late in May, thus giving a succession. For pickles, plant during the last two weeks of June. Plaster dust or an infusion of hellebore powder in water will destroy the striped bug.



CUCUMBER

KLONDYKE

Klondyke. About a week earlier than Arlington White Spine and less tapering at the ends than the Arlington. It continues long in yield after the other varieties have become exhausted. Per pkt. 10c., ½ oz. 15c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Arlington White Spine. A fine strain of the well known white spine, excellent for slicing. Per pkt. 10c., oz. 20c., ¼ lb. 60c.

Cumberland. The best pickling sort yet introduced, being very handsome and productive, with flesh firm but very crisp and tender. Per pkt. 10c., oz. 20c., ¼ lb. 75c., lb. \$2.50.

Emerald Cucumber. The Emerald Cucumber is a remarkable new sort, possessing that rich dark green color which has been so long desired. As a slicer the flesh is particularly crisp and tender and the flavor most pleasing. The young fruit being dark green, straight and tender, makes an excellent pickle. Per pkt. 10c., oz. 25c., ¼ lb. 75c.

Fordhook Pickling. This distinct Cucumber is wonderfully prolific, and might be termed a continuous bearer. Planted at the same time with the other Cucumbers, the Fordhook Pickling will continue to bear pickles plentifully after the other varieties have ripened their fruit and ceased to produce more. Per pkt. 10c., oz. 20c., ¼ lb. 50c.

Cool and Crisp. An excellent pickling or slicing cucumber of good size and exceedingly tender and crisp. Per pkt. 10c., oz. 20c., ¼ lb. 50c.

White Wonder. The best white sort; it ripens early and is very productive. Per pkt. 10c., oz. 20c., ¼ lb. 50c.

Early Green Cluster. Fruit small; very prolific. Per pkt. 5c., oz. 15c., ¼ lb. 40c.

Improved Early White Spine. Standard market variety of medium size, deep green, flesh crisp and of good flavor. Per pkt. 5c., oz. 20c., ¼ lb. 50c.

Extra Long Green. Very long, most excellent quality, and one of the best for family use. Per pkt. 10c., oz. 20c., ¼ lb. 50c.

New Everbearing. Small sized; very early and enormously productive. Per pkt. 10c., oz. 20c., ¼ lb. 50c.

Green Prolific. The best variety for pickling; deep rich green, very productive and of uniform small size. Per pkt. 5c., oz. 20c., ¼ lb. 75c.

Japanese Climbing Cucumber. Well adapted for pickling as well as for slicing for salads. The great advantage lies in the fact that it can be trained on a pole or fence. Per pkt. 10c., oz. 25c., ¼ lb. 75c.

ENGLISH FRAME OR FORCING VARIETIES

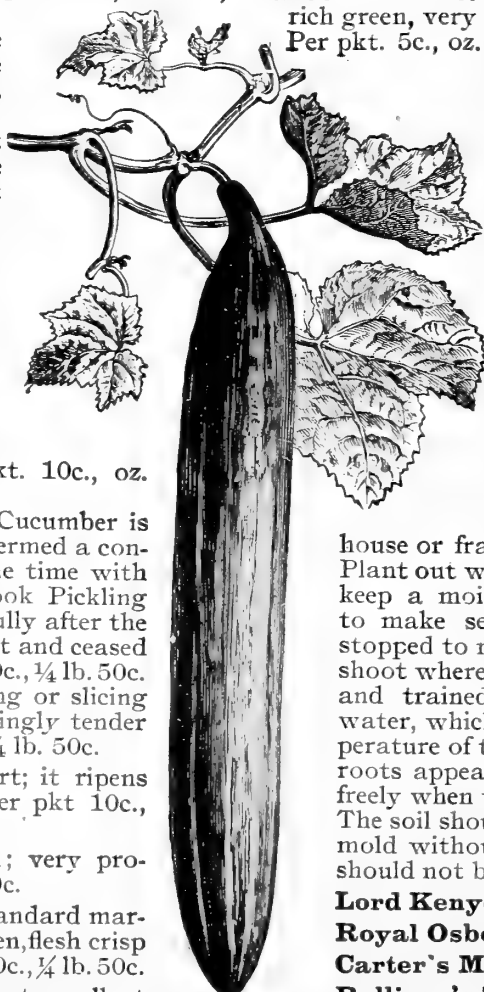
CULTURE.—This favorite fruit may be grown any season of the year in a house or frame where a temperature of 75 degrees can be obtained. Sow in pots of light soil, and pot off when the third leaf appears. The soil should be prepared and placed in the house or frame several days before it is required. Plant out when the third rough leaf is developed; keep a moist warm temperature. Allow them to make several joints, when they should be stopped to make them branch, then pinch out the shoot where the fruit appears; keep them thin and trained regularly; supply with plenty of water, which should not be colder than the temperature of the place; keep adding fresh soil as the roots appear above the surface, which they do freely when the plants are thriving and healthy. The soil should be light turf, well rotted, and leaf-mold without sand, enriched with manure, and should not be sifted.

Lord Kenyon's Favorite. Per pkt. 25c.

Royal Osborne. Per pkt. 25c.

Carter's Model. Per pkt. 25c.

Rollison's Telegraph. Free bearing; average length of 20 inches; for Summer or Winter use; one of the finest sorts. Per pkt. 25c.



Cucumber,
Rollison
Telegraph

DANDELION

One ounce will sow about 100 feet of drill.

CULTURE.—Sow in May, in drills 10 inches apart; thin out to three inches apart; cultivate during the season and in the following Spring the plants will be fit for use.

French Garden. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

EGG PLANT

One ounce will produce about 1000 plants.

CULTURE.—Sow in a hot-bed in February and March; when the plants are one and two inches high, transplant or thin out to two or three inches apart. When the weather is warm and settled, they may be planted out in a warm situation two feet apart each way.

Black Beauty. Very much on the style of New York, only darker and smoother. Per pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 45c., $\frac{1}{4}$ lb. \$1.50.

Black Pekin. Produces very handsome jet black fruit of superior quality. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

New York Improved Spineless. Extensively cultivated for both market and family use; it grows to a large size; very prolific and fine flavored. Per pkt. 5c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

ENDIVE

One ounce will sow 200 feet of drill.

CULTURE.—One of the most attractive of all Autumn and Winter salads. It is commonly known in restaurants as Chicorée, and is especially refreshing when served with lettuce with plain French dressing. Sow seed from middle of June till last of August. When the plants are fully grown, tie all the outside leaves together over the heart to blanch the inner leaves, which will take about a week. Do not tie up when the leaves are wet, as they will then decay.

Green Curled. Very ornamental curled dark green leaves, which blanch white and crisp. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Broad-Leaved (Escarolle). Produces heads of broad thick leaves; blanches easily. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

White Curled. For early use. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

French Moss Curled. An exceedingly crisp, tender and highly flavored salad. Per pkt. 10c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 75c.

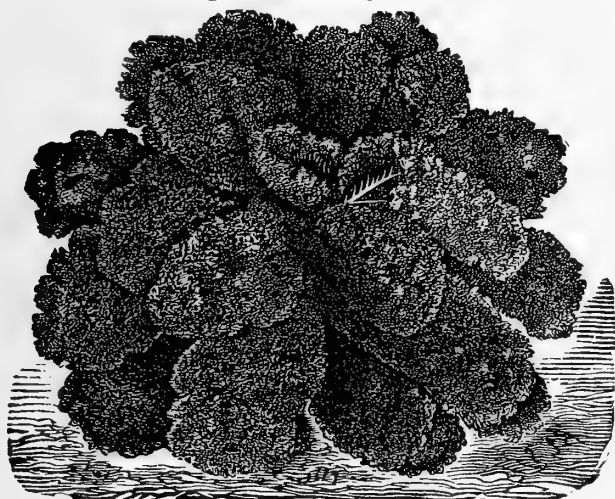
HORSE-RADISH ROOTS

Strong Roots. Per dozen, 15c., 100, 75c.

KALE

One ounce will produce about 300 plants.

CULTURE.—Sow in May in shallow drills, 10 or 12 inches apart; when large enough transplant singly in rows 24 inches apart each way.



Kale, Dwarf Green Curled Scotch



Egg Plant, Black Beauty

Dwarf Green Curled Scotch. Very dwarf and spreading, one of the best. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Siberian Kale or Sprouts. Should be sown in September and treated like spinach; it is fit to cut early in Spring. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Dwarf Brown Kale. A beautiful curled variety, with spreading foliage, very hardy and of fine flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

GARLIC

One pound will plant 200 feet of drill.

CULTURE.—Garlic is used for a variety of flavoring purposes. Plant the sets six inches apart in rows, one foot apart. As soon as the leaves have turned, the crop is matured, and may be harvested like the onion.

Garlic Sets, per lb. 30c.

KOHL-RABI

One ounce will produce about 200 feet of drill.

CULTURE.—This is a very delicious vegetable, and is increasing in popularity rapidly; combines the good qualities of the turnip and cabbage, but excels both in nutritive and productive qualities. Cook the same as turnips; they will be found very tender and palatable. Sow in Spring in rows of 18 inches apart, afterwards thin away the plants to eight inches.

Early White Vienna. The earliest and best for either market or family use. Per pk. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Early Purple Vienna. Similar to the preceding, except in color, which is of a bluish purple. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Earliest Selected (for frames). A variety with few and small leaves; can be planted very closely; very useful for general culture and indispensable for forcing. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.25.

LETTUCE

One ounce will sow 150 feet of drill.

CULTURE.—Sow early in Spring in a hotbed; transplant in April for Summer use. Again, sow from April at intervals in the open ground, and for Winter and Spring use, in August and September. Protect by means of a cold frame during Winter. When sown for cutting, the seed may be put in rather thick, in rows or broadcast; but to have finer heads, it should be sown thinly in rows, and transplanted a foot apart into rich soil.



Lettuce, Curled Simpson

apple green, while on the inside the color is yellowish white.

Blonde Blockhead, or Sunset. This is a large-growing head lettuce, resisting the heat for a long time before running to seed. The heads are large solid and crisp, of a golden yellow color. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Hubbard Market. A large white cabbage variety, valuable for forcing or the open ground. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Curled Simpson. An old standard variety, very early and tender. Per pkt. 5c., oz. 15c., $\frac{1}{2}$ lb. 30c., lb. \$1.00.

Black-Seeded Simpson. Nearly double the size of the ordinary Curled Simpson; stands the Summer well. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Denver Market. The heads are large, solid, light green, beautifully curled like a Savoy cabbage, very crisp and tender. The heads are a little after the style of the Hanson, but more oblong. Delicate, tender and very superior. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Salamander Perfected. An excellent Summer variety, forming large-sized heads that stand the heat without injury longer than any other sort. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Big Boston. A most desirable variety for forcing in cold frames or open-ground planting. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Lettuce, White Paris Cos

Golden Queen. One of the best first early head lettuces for either open ground or frame culture and a good forcer; medium sized, solid golden-yellow heads, crisp and tender. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Immensity. The largest head lettuce, best for late Summer and Fall use. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

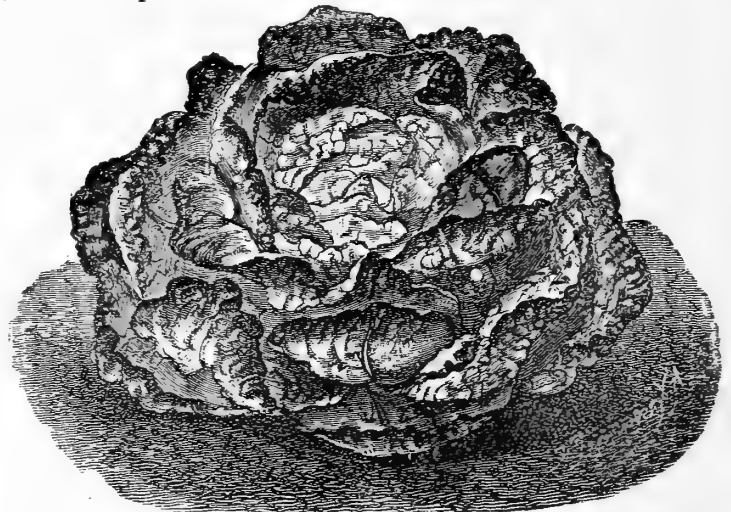
American Gathering. Twisted and curled leaves; fine for early or late sowing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Improved Deacon. Large, solid Summer cabbage; variegated. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Hanson Improved. Very large and solid; withstands the hot sun well. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.35.

Dumont. For description see novelties. Per pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., $\frac{1}{4}$ lb. \$1.50.

New York. This variety blanches itself naturally is crisp, tender, and of excellent flavor, and always free from bitterness. The outside color is distinct, being a clear, deep green. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Lettuce, Big Boston

Boston Market. Solid, crisp and compact; one of the best for forcing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Mammoth Black-Seeded Butter Lettuce. A large head lettuce of splendid quality; much lighter in color than the Big Boston. For early or late crop it has no equal; splendid market sort. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Golden Stone Head. Produces heads of medium size, of the best quality, as a forcing variety it is unequalled. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

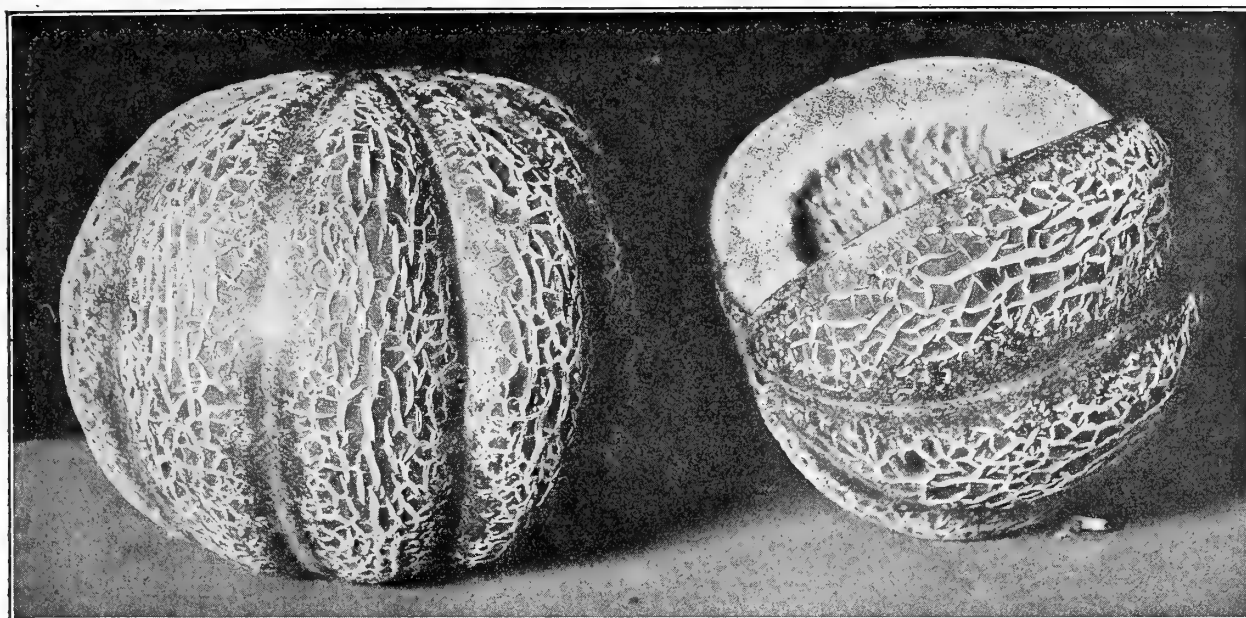
Grand Rapids Forcing. Large, tender; one of the best for early forcing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Romaine White Cos. It is of upright growth and possesses a distinct crisp and very refreshing taste. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Trianon Self-Closing Cos. The finest of all the Cos sorts. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Express Cos. A fine new dwarf variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Eclipse Cos. Excellent variety for frames. Pkt. 15c., $\frac{1}{2}$ oz. 30c., oz. 50c.



Musk Melon, Selected Emerald Gem

MUSKMELON

One ounce will sow about 80 hills.

CULTURE.—Sow the seed in April under hand glasses, and in the open air in May in hills six feet apart each way. Plant in each hill from 8 to 10 seeds, covering half an inch deep. When the plants have produced their rough leaves, thin out to three plants. The hills should be prepared by trenching in rotten manure and sand. As soon as the plants make their appearance above ground, dust them with soot, charcoal dust or wood ashes, to prevent the ravages of the bug.

Tip Top Melon. The most productive melon known; good for early or late, having a sweet, juicy fine flavor; solid flesh (but not hard) and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed and moderately netted. Per pkt. 10c., oz. 25c., ¼ lb. 75c.

Rocky Ford. An improved strain of the Netted Gem type, which has been grown on a very large scale and to a wonderful degree of perfection in Rocky Ford, Colorado. It is by far the most popular sort on the market, and commands higher prices than any other variety. It is very sweet and most delicately flavored, with exceedingly fine and smooth-grained flesh of a light green color. Per pkt. 10c., oz. 25c., ¼ lb. 75c.

Selected Emerald Gem. Small, extra early, smooth ribbed, dark green skin and orange flesh. Per pkt. 10c., oz. 15c., ¼ lb. 75c., lb. \$2.50.

Jenny Lind. Small, but very early; green flesh. Per pkt. 5c., oz. 10c., ¼ lb. 20c.

Nutmeg. Named from its shape; green flesh, fine flavor, Per pkt. 5c., oz. 10c., ¼ lb. 20c.

Long Yellow Cantaloupe. Standard sort. yellow flesh. Per pkt. 5c., oz. 10c., ¼ lb. 20c.

Paul Rose. This new red-fleshed melon is exceedingly sweet and highly flavored, and in it are combined all the good qualities of the Netted Gem and Osage, the varieties from which it originated. Per pkt. 10c., oz. 20c., ¼ lb. 60c.

ENGLISH FRAME VARIETIES

(IMPORTED SEED)

	Per Pkt..
Sutton's Invincible Scarlet Flesh.....	25 cts.
Blenheim Orange	25 cts.
Eastnor Castle Green Flesh.....	25 cts.
Sutton's Perfection Pale Green Flesh.....	25 cts.
British Queen	25 cts.

Long Island Beauty. On style of Hackensack, but earlier and finer in quantity, and the most beautiful Muskmelon. Per pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.25.

Delmonico. Oval, deeply netted, large size, orange flesh. Per pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.20.

Extra Early Hackensack. Large, round and of fine quality; a standard variety. Per pkt. 5c., oz. 10c.

ROCKY FORD MUSK MELON

S. & W. Co.'s Selected Stock

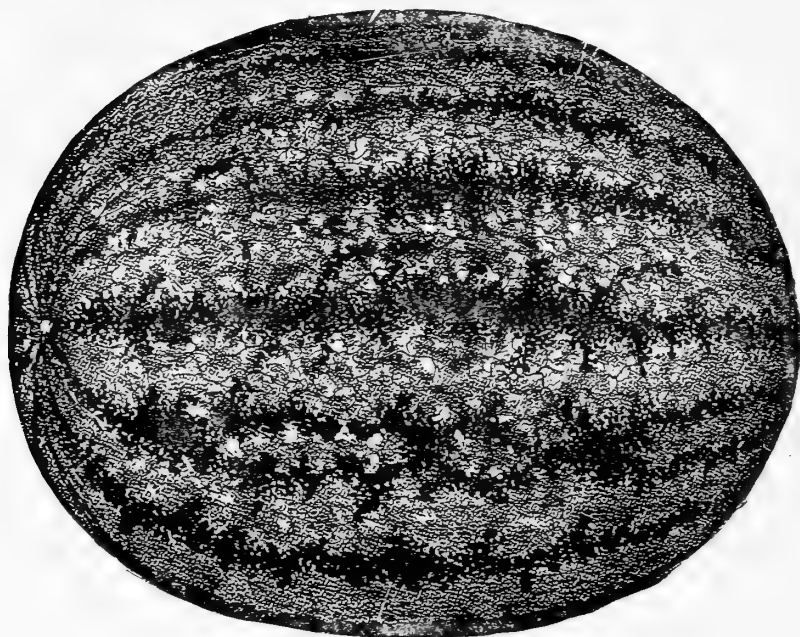
This is without a doubt the finest of all the Melons, sweet and delicious. This famous variety is the finest early green-fleshed Melon in cultivation. The fruits are remarkably uniform in size, weighing from one and a quarter to one and a half pounds each. They are quite thick meated, with very thin rinds; skin light green, regularly ribbed and heavily netted, turning to a golden yellow as the Melon ripens. Flesh light green in color, firm but melting, of uniformly fine flavor. Per pkt. 20c., oz. ¼ lb, \$2.00.

**OUR STOCK IS EXTRA FINE,
SELECTED ONLY FROM THE
CHOICEST MELONS. : :**

WATERMELON

One ounce will plant about 50 hills.

CULTURE.—Treat the same as muskmelon, except that they should be planted eight or ten feet apart, according to variety.



Watermelon, Kolb's Gem

Kolb's Gem. Largely grown in the South for shipment to Northern markets; it has no equal as a shipping melon; the fruit is nearly round; rind, dark green, somewhat marbled with lighter shades. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

The Boss. Oblong in shape; dark green skin; flesh deep scarlet; early, heavy, productive and good shipper. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Black Spanish. A sweet and delicious variety; fruit round, of large size; skin blackish green; scarlet flesh. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Cole's Early. A most delicious and productive variety for the family garden, succeeding in Northern States, where melons were never matured before. The flesh is of a beautiful bright red color, crisp and extremely delicate in texture—that granulated, cool, sparkling appearance that is so captivating to the eye; in flavor it is lusciously sweet and refreshing, no pithiness or stringiness. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Pride of Georgia. Round, large, crisp; bright red flesh; intermediate. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50.

Hungarian Honey. Fresh, brilliant red, very small seeds; well adapted for northern localities. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Mammoth Ironclad. A large size; flesh deep red and of rich flavor, holding its fine quality very close to the skin. For shipping and keeping it is unsurpassed. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Sweetheart. A perfected form of the old Ice Cream, possessing all of its good qualities and producing fruit much larger and handsomer in appearance and of most delicious flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Citron. Round and handsome; used for preserves. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Mountain Sweet. An old and reliable sort; red flesh; late. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Florida Favorite. A superb strain: improvement on Rattlesnake; intermediate. Per pkt. 5c., oz. 10c., lb. 20c., lb. 60c.

White-seeded Ice Cream. Very early; red flesh. Per oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

LEEK

One ounce will sow about 100 feet of drill.

CULTURE.—Sow the seed very early, in a seed bed in a sheltered place if possible. When plants are about six inches long transplant them to trenches six inches deep, with very rich soil at the bottom. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine large leeks blanched, half a foot long, which may be kept all winter if dug up with the roots on and stored in moist sand in the cellar.

Large American Flag. The largest and most desirable, either for market or family use. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Large Carentan (Winter). A very hardy variety of extra large size; the leaves are fan-shaped, of a dark green color, the edible stem is six to eight inches long and three inches in diameter. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Large Rouen. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c.

MARTYNIA

One ounce will plant about 200 hills.

Proboscidea. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Leek, Large American Flag



Mushrooms Grown from our Pure Culture Spawn

MUSHROOM SPAWN

Ten pounds will spawn 10 feet square.

CULTURE.—Mushrooms are easily grown, with a little care and attention under a square shed, portion of a cellar, or any dark, dry place. Collect a quantity of fresh horse droppings; throw them into a heap, leaving it until it commences to ferment, then turn it over and mix it up well, and place it where you intend to make the bed; spread it regularly about 18 inches thick, tread firmly and level the bed. Leave this to heat for a few days, and as soon as the heat drops to 90 degrees, make holes in the bed, about a foot apart each way into which put pieces of the spawn about the size of an egg; fill up the holes with the compost. Beat the surface level, afterward keep it dry, and the mushrooms will make their appearance in about five or six weeks. When the first crop has been taken, give the bed a good watering leaving it as before, when they again will make their appearance. Beds can be made at any time of the year, and as one declines another should be made, to keep a constant supply. The spawn should be kept in a cool, dry place. When gathering, remove the stalks; do not cut them or they will rot and breed maggots.

Best English Spawn. Per brick 20c., per 10 bricks \$1.80, per 25 bricks \$3.75, per 100 bricks \$12.00.
American Pure Culture. “ 30c., “ 2.40, “ 5.00, “ 15.00.

Mushrooms: How to Grow Them by Wm. Falconer, \$1.00, Postpaid.

MUSTARD

One ounce will sow 75 feet of drill.

CULTURE.—As an ingredient the green mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed in March, and for general crop at frequent intervals through the Spring, in drills from 8 to 12 inches apart.

White London. The best variety for salads; the seed is used also medicinally and as a seasoning for pickles.
 Per oz. 5c., ¼ lb. 10c., lb. 25c.

Black or Brown. An esteemed sort for culinary use.
 Per oz. 5c., ¼ lb. 10c., lb. 25c.

Giant Southern Curled. Very large leaves. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

NEW CHINESE. Leaves twice the size of the ordinary white mustard; stems more succulent, of deeper green; flavor pleasantly sweet and pungent. Per pkt. 5c., oz. 15c., ¼ lb. 20c., lb. 60c.

ONION SETS

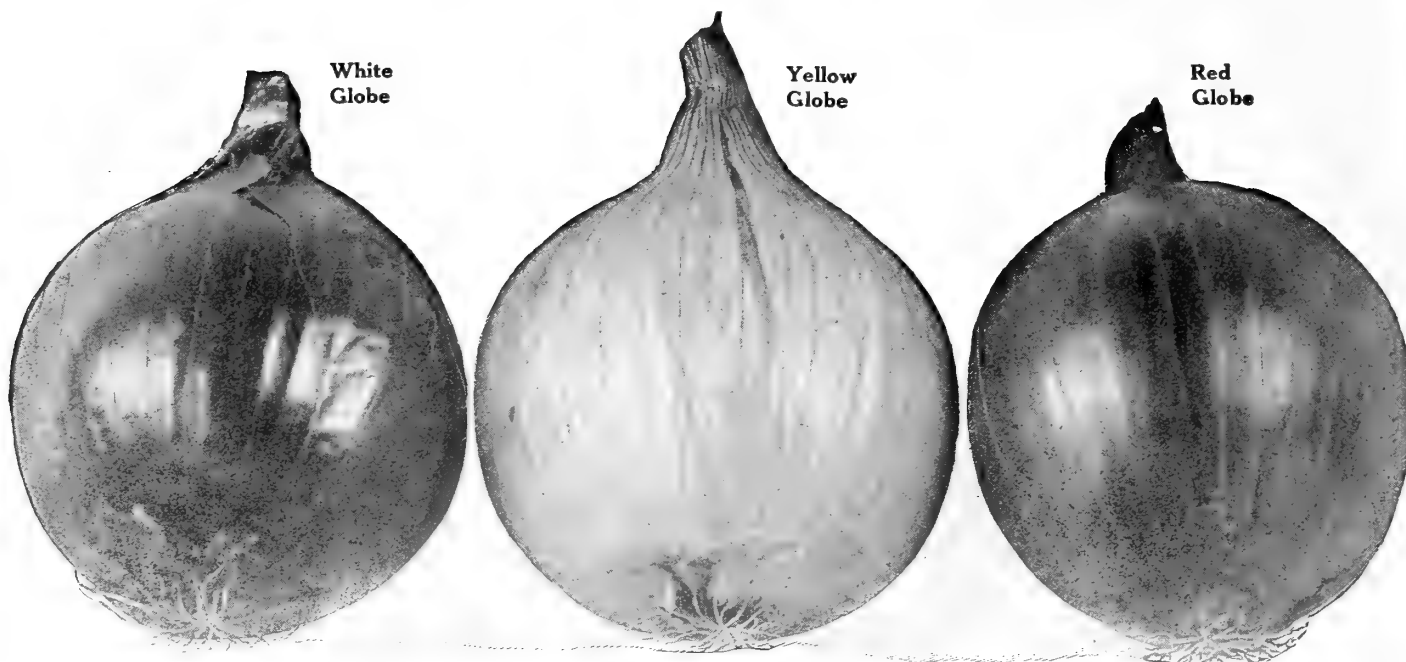
Plant Onion sets and tops near the surface in drills 12 inches apart and 4 inches in the rows. They require the highest culture to obtain the best results.

	Per qt	Per peck
	8 qts.	
White Globe Sets.....	\$0 30	\$2 00
Red “ “	30	2 00
Yellow “ “	30	2 00
White Sets	20	1 50
Red “ “	20	1 50
Yellow “ “	20	1 50
Red Top Sets.....	20	1 50
White Potato Onions.....	20	1 50
Yellow “ “	20	1 15
White Multiplier Onion.....	37	1 75
Shallots	50	1 75



Onion Sets

STUMPP & WALTER CO'S PERFECT GLOBE-SHAPED ONIONS



S. & W. Co.'s Southport White Globe. Yields abundantly, producing handsome and uniformly globe shaped bulbs. The flesh is firm, fine grained and of mild flavor. To produce the beautifully white onions so much sought in every market, one must first of all have good seed. Second, grow them well on rich lands. Third, exercise great care in harvesting and curing the crop. In Southport they "cord" up the onions in long rows, the bulbs on the inside, and cover with boards so that the bulbs in the open air are well protected from rain or dew, which would be sure to discolor them. We have by years of careful selection and breeding developed a strain which has no equal in uniformity and beauty of shape and color. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

S. & W. Co.'s Southport Yellow Globe. This is probably the finest all-round sort grown. The enormous quantities annually shipped to market prove its

popularity, and it is more largely grown than any other variety. We take unusual precautions to maintain the highest degree of perfection in our stock, and can confidently claim superiority for it. The bulbs are large and uniformly spherical, with very small necks; the largest diameter is below the center of the bulb. The color is a rich orange-yellow; enormous yielders and splendid keepers. No onion grower can afford to plant inferior seed when such as this can be procured. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

S. & W. Co.'s Southport Red Globe. Very similar to Wethersfield in color, having a deep-red skin, but differing in shape, being almost a perfect globe. It matures with or a little later than Wethersfield, and is one of the best keepers of the red varieties. Size large. Flesh fine-grained, mild and tender. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

COLLECTION: 1 Packet each 3 Varieties Globe Onion, Red, White and Yellow, for 25c.; 1 oz. each 3 Varieties, \$1.00

ONIONS

One ounce will sow about 100 feet of drill.

CULTURE.—Sow as soon as the frost is out of the ground in Spring, in drills one inch deep and 12 inches apart; thin out to two or three inches. For onions the ground requires to be well manured.

White Pickling. When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 70c., lb. \$2.50.

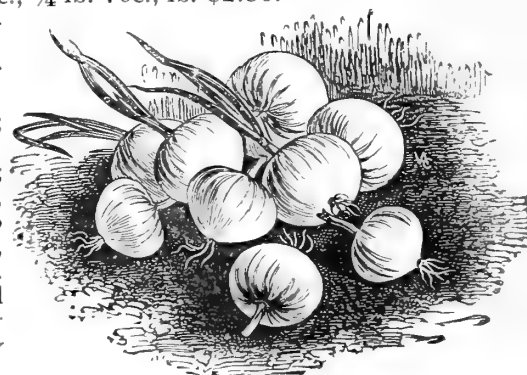
White Portugal, or Silver Skin. A mild-flavored variety, used extensively for pickles. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Yellow Danvers. A standard sort; early and a good keeper. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Yellow Globe Danvers. Of more globular shape than the preceding; splendid keeper. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Yellow Globe Spanish, or Prize Taker. Grows uniform in shape; is of immense size, measuring from 12 to 16 inches in circumference, while under special cultivation specimen bulbs have been raised to weigh from 4 to 6 pounds each; its pure white flesh is fine-grained, mild and delicate in flavor. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$2.50.

The Australian Brown Onion is of medium size, wonderfully hard and solid, **extremely early** in ripening, and *never makes any stiff-necks or scallions*. Planted with the *Red Wethersfield*, it proved to be *nearly four weeks earlier* and ripened off more uniformly. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Onion, White Pickling

ONION ^{LARGE} RED WETHERSFIELD

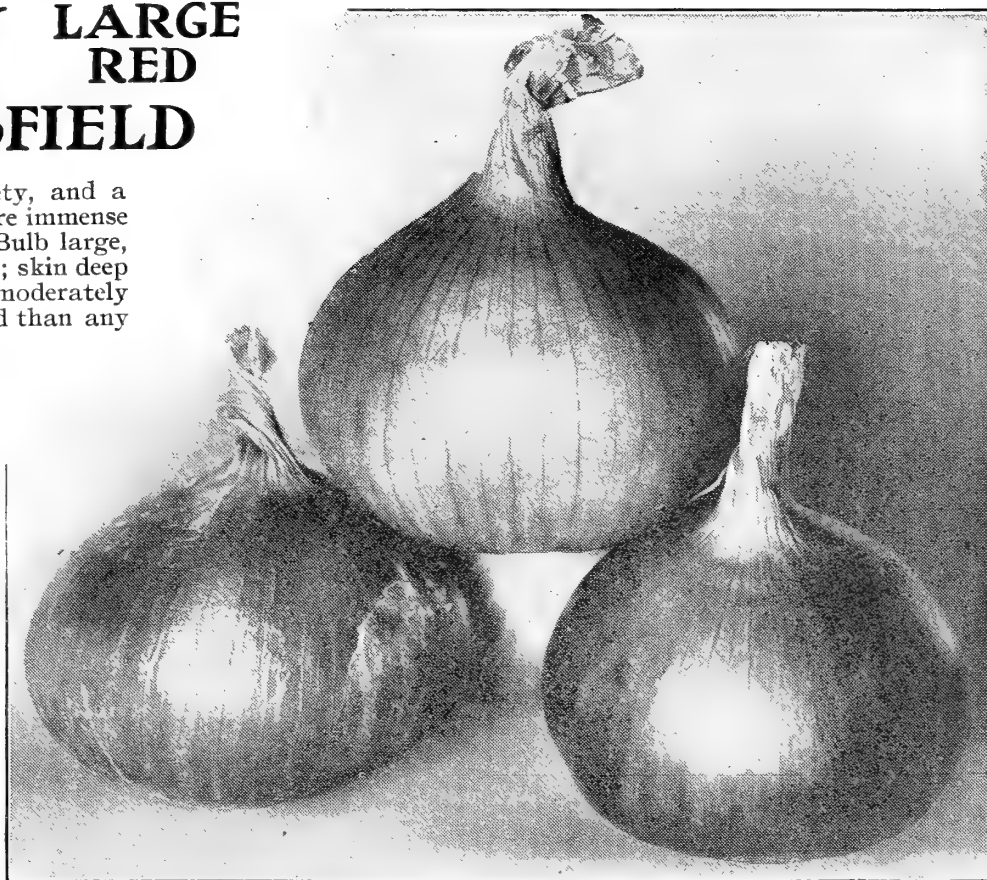
This is the standard red variety, and a favorite Onion in the East, where immense crops are grown for shipment. Bulb large, somewhat flattened, oval shape; skin deep purple-red; flesh purplish white, moderately fine grained and stronger flavored than any of the other kinds. Very productive, the best keeper, and one of the most popular for general cultivation. It is more inclined to form large necks if planted on unsuitable soil than the Danvers, but is the best variety on poor or dry soil. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

ENGLISH VARIETIES

Carter's Record. Increased in favor each season, and is an exceptionally large growing variety. Per pkt. 25c., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

Excelsior. The finest onion in cultivation for show purposes or general crop. No other variety can approach it for great size, fine quality and splendid globe shape. Per pkt. 25c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00.

Nutting's Golden Ball. The finest globe Onion in cultivation; a very heavy cropper, growing to a large size, with small neck and bulb a beautiful globe shape. It is an excellent keeper and a capital variety for exhibition. Per pkt. 25c., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.



Onions, Large Red Wethersfield

Ailsa Craig. This magnificent Onion has proved itself to be the premier variety in cultivation, and is now universally recognized as the beau ideal of what an exhibition Onion should be. A single specimen grown by Mr. Jas. Bowerman weighed 3 lbs. 7½ ozs., and twelve bulbs by the same grower weighed 37½ lbs. The skin is a pale straw color with flesh very white and mild. Per pkt. 25c., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

PUMPKIN

One ounce will plant 50 hills.

CULTURE.—Plant in April or May, among corn or in the garden, in hills 8 or 10 ft. apart, and otherwise treat in same manner as melons.



Pumpkin, Large Tours, or Mammoth

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 50c.

Connecticut Field. Grown for stock purposes. Per oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Winter Luxury. This we recommend as one of the best pie pumpkins; an excellent keeper and enormously productive. It is very finely netted and in color it is a golden russet. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c.

Large Cheese. A most popular variety in the South. Fruit flattened, the diameter being two or three times more than the length; skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. \$1.00.

Jumbo. This is the variety to be grown where "the biggest pumpkin" is wanted. We have seen specimens weighing 250 pounds. The color of skin is a deep yellow, the flesh being of a lighter shade. Notwithstanding its enormous size it is delicious in quality and generally desirable. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c.

Calhoun. A good-sized, almost round pumpkin, with creamy-brown skin; flesh deep salmon-yellow, wonderfully thick, fine grained, and of the finest quality for rich-colored pies. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.



Parsley, Champion Moss Curled

PARSLEY

One ounce will sow
about 150 feet of drill.

CULTURE.—Parsley requires a rich, mellow and deep soil. Soak the seed for a few hours in tepid water, and sow early in the Spring in drills one foot apart and half an inch deep. Thin out the young plants to four inches. Hamburg parsley should be treated the same as carrots.

Extra Double Curled. Standard market sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Champion Moss Curled. Very beautiful. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Fern-Leaved. Finest garnishing variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Plain. The ordinary form. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

Curled Beauty. Per pkt. 10c.

Hamburg, or Rooted. Edible roots. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

PARSNIP

One ounce will sow
about 200 feet of drill.

CULTURE.—Sow as early in the Spring as the ground can be worked, in drills 18 inches apart, covering with fine soil to the depth of half an inch. The soil should be rich and deeply dug. The quality of the roots is much improved after a severe frost; in fact, they may be allowed to remain in the ground throughout the Winter, as they are perfectly hardy.

Hollow Crown. The finest variety grown; long, smooth and milky white. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

PEPPER

One ounce will pro-
duce about 200 plants.

CULTURE.—Sow in hot-bed in March or in the open ground in April; transplant in rows twenty inches apart each way. The seed may be sown in the open ground after all danger of frost is passed.

Long Red Cayenne. Fruit about four inches long, bright red color; very productive. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

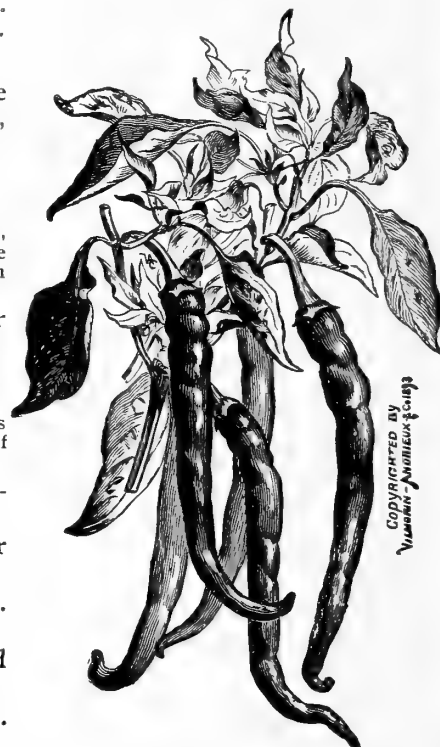
Cherry Red. Small round fruit, rich scarlet color, and extremely piquant. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Large Bell, or Bull Nose. A large early variety of pleasant flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.25.

Magnum Dulce. Superior to Chinese Giant or any other variety for size and quality. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.25.

Chinese Giant. An extremely large handsome pepper. Per pkt. 10c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 90c.

New Neapolitan. Is fully two weeks earlier than Bull Nose or Ruby King; of good size, and mild flavor. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c.



Pepper, Cayenne



Pepper, Chinese Giant

Selected Ruby King. Fruit bright ruby-red. The flavor is so mild and pleasant that it can be sliced and eaten like cucumbers or tomatoes. Per pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$4.00.

Golden Dawn. Bright golden yellow; very productive. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

Sweet Mountain. Similar to the Bull Nose, but larger, sweeter and of milder flavor. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Red Cluster. Bears a profusion of red clusters of very thin, pungent peppers in an upright position. It forms a small compact plant about a foot high. A single plant has been known to produce a thousand peppers. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c.

OKRA or GUMBO One ounce will sow
about 100 ft. of drill.
CULTURE.—Sow in the second or third week in May, if the weather is settled and warm, in drills one inch deep and four feet apart: thin out to 12 inches.

Lady Finger. A new variety from the South, very productive, extra long, slender pods of fine round form. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Kleckley's Favorite. One of the best varieties. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Green. Long ribbed pods, very productive. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

White Velvet. Very distinct in appearance; pods are perfectly round, smooth and of a white velvety appearance and of superior flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

PEAS

One quart will plant 100 feet of drill.

CULTURE.—For early crops sow as early in Spring as practicable, and again every two or three weeks for a succession throughout the season up to the 1st of August. Plant in single or double rows, four feet apart and two inches deep. In dry weather soak the peas over night before planting. In the vicinity of New York the Extra Early Peas, if planted from the 15th to the last of August, will produce a medium crop for late picking, when they will be found most acceptable.

Varieties marked * are wrinkled marrows, and should be sown thicker than the round peas, and not until the ground has become warm, as they are more liable to rot. All wrinkled sorts are much superior in flavor to the round peas.

EXTRA EARLY PEAS

First of All. This variety is unequalled for excellence, yield, size of pod and regularity of ripening. Height, 2½ feet, and produces pods of good size, which are well filled with round, smooth peas of splendid flavor. It is a prodigious bearer, and in this last feature and in its extreme earliness consists its great value to market gardeners and truckers. Per ½ pt. 10c., pt. 20c., qt. 30c., 4 qts. \$1.00, peck \$1.75.

***Gradus.** The pods of this new and most valuable sort are as large as those of Telephone, and fit for use as soon as First of All. The peas are large, handsome and of fine quality. Per ½ pt. 15c., pt. 30c., qt. 50c., peck \$3.25.

Gregory's Surprise. Fine wrinkled early sort. Height 2 feet. Per ½ pt. 10c., pt. 20c., quart 30c., 4 qts. \$1.10, peck \$1.80.

***Nott's Excelsior.** A splendid extra early wrinkled sort; very prolific. Per ½ pt. 10c., pt. 20c., qt. 30c., peck \$2.00.

Alaska. The finest blue seeded extra early pea known to the trade. Very early, uniform in growth, almost entirely free from sports or runners. First class in every respect. Seed round, blue, slightly pitted. Height 2½ feet. Per ½ pt. 10c., pt. 20c., qt. 30c., 4 qts. \$1.00, peck \$1.75.

***American Wonder.** Extra early, fine flavor and productive. Height 1 foot. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$2.00.

***McLean's Little Gem.** Extra early, straight pods, very prolific, and of excellent flavor. Height 1½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$2.00.

***Thomas Laxton.** A remarkably fine early wrinkled pea, and we think destined to supersede "Gradus." In many characteristics it resembles that excellent sort, but the pods differ in shape, and are certainly more numerous. It grows about 3 feet in height, but does not need brushing. Per ½ pt. 15c., pt. 25c., qt. 40c., peck \$2.75.

Daniel O'Rourke. Extra early, and a favorite market garden sort. 2½ feet high. Per ½ pt. 10c., pt. 20c., qt. 30c., peck \$1.75

MEDIUM EARLY PEAS

***Abundance.** This variety is remarkable for branching directly from the roots. Excellent quality. Height 3 feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$2.00.

***McLean's Advancer.** A standard market sort, long pods, well filled, excellent quality. Height 2½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$2.00.

***Horsford's Market Garden.** A wrinkled variety coming in between Little Gem and Advancer. It is very prolific, yielding more per acre than any other American pea. Excellent quality. Height 2 feet. Per ½ pt. 10c., pt. 20c., qt. 30c., peck \$2.00.

Pride of the Market. Very large, long pods; sow thinly. Per ½ pt. 10c., pt. 20c., qt. 30c., peck \$1.75.

***Shropshire Hero.** Very productive; fine flavor; long handsome pods. 2½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.

***Carter's Daisy.** Dwarf wrinkled, large pods, and large fine flavored peas. Per ½ pt. 15c., pt. 20c., qt. 35c., peck \$2.50.



Pea, Thomas Laxton

***Everbearing.** Produces very long pods and large peas. Sow thin. Height 3½ feet. Per ½ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

***Heroine.** Enormously productive; pods large, long, slightly curled, pointed, containing from nine to ten large peas of the finest quality. Height 2½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$1.75.

***Champion of England.** Acknowledged to be the best of the tall-growing late varieties; the pods and peas are of the largest size and excellent quality. Height 5 feet. Per ½ pt. 10c., pt. 15c., qt. 25c., peck \$1.75.

LATE OR MAIN CROP

PEAS

CARTER'S BUTTERCUP

A very fine and robust
Main Crop Pea

We have counted as many as twenty-two pods on a single plant ready at one time. Pods rich green, produced in pairs. A splendid marketing pea. Height about two feet.

Imported English Seed.

Per ½ pt. 15c., pt. 25c., qt. 40c., 4 qt. \$1.50, pk. \$2.50, bush. \$9.00.

***Telephone.** A tall, wrinkled, marrow variety, enormously productive and of fine quality. The pods are of the largest size and contain from six to seven large peas. Height 4½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., pk. \$1.50.

***Telegraph** (Long Island Mammoth). Very large pods and peas, very prolific. Per ½ pt. 10c., pt. 20c., qt. 30c., pk. \$1.75.

Black-Eyed Marrowfat. Hardy and prolific. Height 3 feet. Per ½ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

White Marrowfat. A favorite; heavy yielder. Per ½ pt. 10c., pt. 15c., qt. 20c., pk. \$1.00.

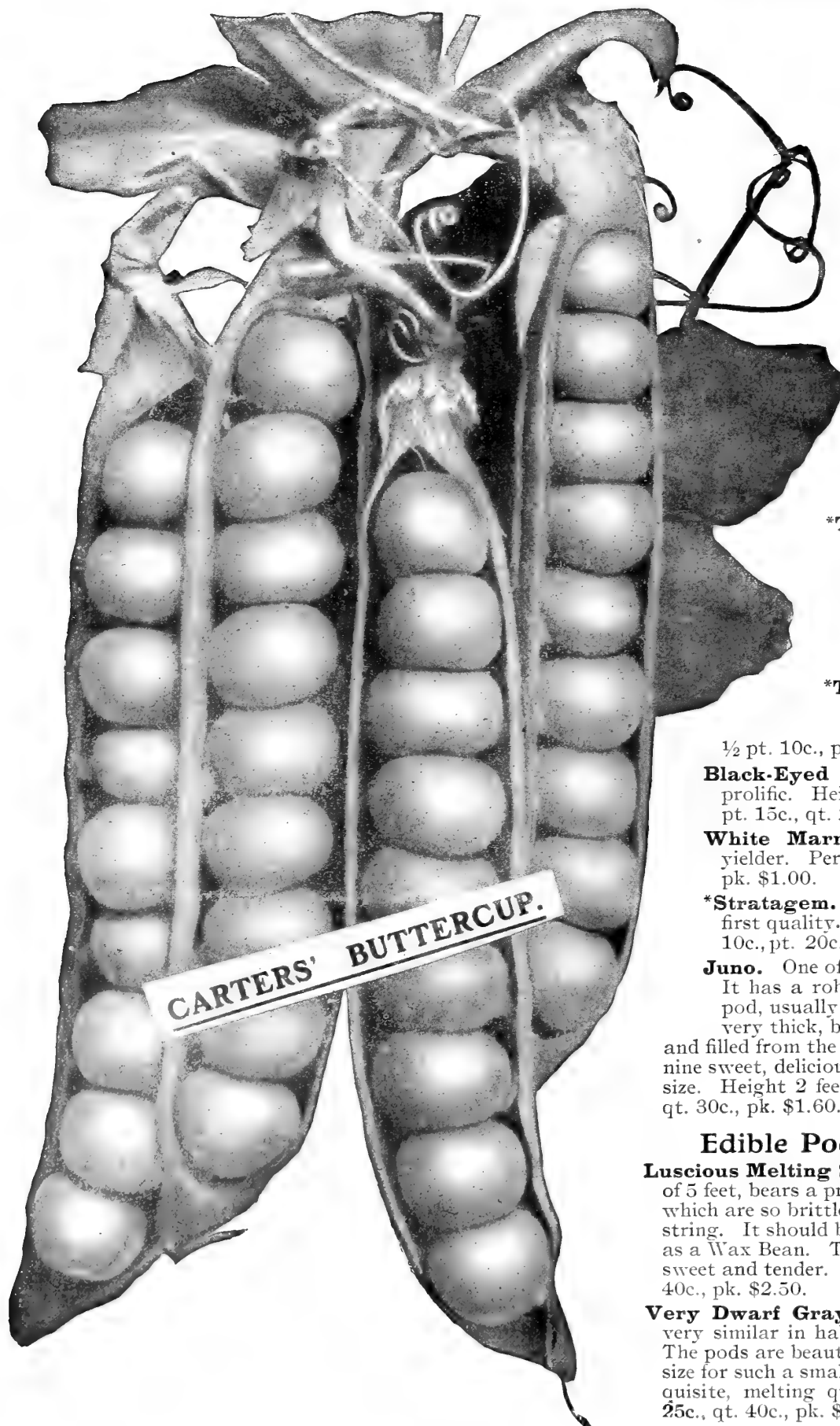
***Stratagem.** Very large pod; peas of first quality. Height 1½ feet. Per ½ pt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

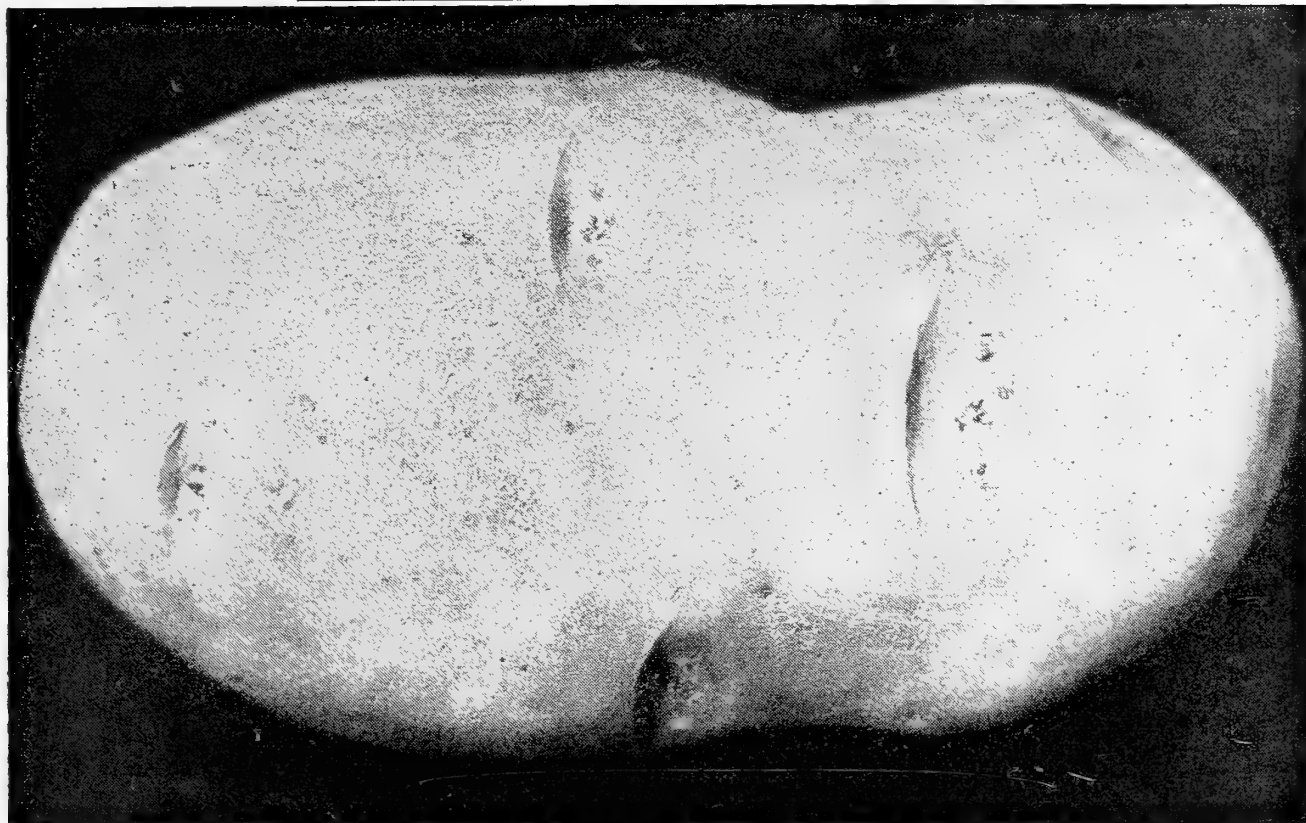
Juno. One of the best peas in cultivation. It has a robust vine and stout, straight pod, usually borne in pairs. The pods are very thick, broad-backed all the way up, and filled from the stem to the lips with seven to nine sweet, delicious dark green peas of immense size. Height 2 feet. Per ½ pt. 10c., pt. 15c., qt. 30c., pk. \$1.60.

Edible Podded Sugar Peas

Luscious Melting Sugar. Grows to the height of 5 feet, bears a profusion of large, broad pods, which are so brittle that they snap without any string. It should be used in much the same way as a Wax Bean. The pods when cooked are very sweet and tender. Per ½ pt. 15c., pt. 25c., qt. 40c., pk. \$2.50.

Very Dwarf Gray Sugar. Unusually dwarf, very similar in habit to the American Wonder. The pods are beautifully crimped, are of unusual size for such a small-growing sort, and are of exquisite, melting quality. Per ½ pt. 15c., pt. 25c., qt. 40c., pk. \$2.50.





Early White Albino

POTATOES FOR SEED

CULTURAL DIRECTIONS.—Grown exclusively from tubers; 10 to 12 bushels to the acre. Plant in early Spring, in rows 3 feet apart and plants 15 to 18 inches apart in row. Cultivate constantly and thoroughly, finally ridging the loose soil against the rows. A second or late Spring planting is often made. Store in frostproof cellar in Winter.

Our potatoes are all specially raised for seed purposes, are "Northern Grown" and are exceptionally fine in quality. In comparing our prices on potatoes, remember we make no charge for barrels or cartage, and deliver F. O. B., New York, at prices quoted.

EARLY VARIETIES

Extra Early Potato, The Bovee. The earliest of all and a great cropper. The Bovee in all competitive trials has outyielded all the early potatoes, and in many of the tests conducted by experiment stations and private growers it has outyielded even the late varieties, including such heavy cropping kinds as Carman No. 1, Empire State, Rural New Yorker No. 2, and others. The vine is dwarf and stocky, and the tubers grow remarkably close, all bunched together in the hill close up to the vine. Per peck 85c., bush. \$2.50, bbl. \$5.00.

Selected Early Rose. A standard variety, early, productive and of excellent quality. Per ½ peck 40c., peck 70c., bush. \$2.00, bbl. \$4.50.

Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh; one of the most popular early varieties. Per ½ peck 40c., peck 70c., bush. \$2.25, bbl. \$4.00.

Early White Albino (white). This wonderful new potato was brought out by Thomas R. Rand of West Bowdoin, Me. It has crowded all other early white potatoes out of the field. Grows good, upright top of medium green color; tubers large for so early a potato, cooking dry and mealy. Grand keeping quality. In late Spring when other early potatoes are soft and soggy this remains firm. Peck \$1.00, ½ bush. \$1.75, bush. \$3.00, bbl. \$7.00.

MEDIUM AND LATE CROP VARIETIES

Norcross. Has been grown for the past few years and has given excellent satisfaction. The potato is large, flat, oval, perfect in shape, finest in quality, largest in yield. It is an excellent eating potato, is very hardy, and has shown exceptional blight-resisting qualities. Per ½ peck 50c., peck 90c., bush. \$2.50, bbl. \$6.00.

Rural New Yorker. Large and smooth; white skin and flesh. Per peck 70c., bush. \$2.25, bbl. \$4.00.

Carman No. 1. Largest size, greatest yielder. Per ½ pk. 50c., peck 85c., bush. \$2.50, bbl. \$5.00.

Late Puritan. Very productive. Per peck 70c., bush. \$2.00, bbl. \$4.00.

Carman No. 3. Is of perfect form even in dry seasons, almost every potato being of uniform size and shape, averaging nearly a pound each in weight. The skin and flesh are extremely white, no hollow or dark parts

and its cooking qualities are extremely fine. Per peck 70c., bush. \$2.25, bbl. \$4.50.

Snow (white). Roundish, white potato; extra table quality; eyes shallow; grows very few small potatoes; yield is immense, running from 300 to 500 bushels per acre of smooth, clean, white market tubers. Medium late and the kind Boston and New York markets want. Should have been named the "Poor Man's Friend," for it will do the best of any potato grown on poor soil or where no care is taken of it. With best of care and fertilization will give a wonderful yield, as good or better than the Norcross. Peck \$1.00, ½ bush. \$1.75, bush. \$3.00, bbl. \$7.00.

Green Mountain (selected stock). A late, heavy cropper of excellent quality; skin smooth and white; shape, roundish flat, eyes few and shallow; a good keeper. Peck 85c., ½ bush. \$1.50, bush. \$2.50, bbl. \$5.00.

RADISH

One ounce will sow
about 100 feet of drill.

CULTURE.—Sow for early crops in March, in hotbed, and in April and May in a warm border, and continued throughout the season in fortnightly sowings, in drills an inch deep and a foot apart.

EARLY TURNIP VARIETIES

Scarlet. Very early. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Scarlet White-Tipped. Fine for early forcing in frames or outdoors. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early White Turnip. A small, round sort, inclined to flat. Its beautiful pure white color makes it very useful for mixing with other sorts. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Yellow Summer. Splendid variety; stands heat and drought well. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

OLIVE-SHAPED VARIETIES

Olive-Shaped Scarlet. Flesh bright and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

French Breakfast. A favorite sort, mild and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Olive-Shaped White. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Red Rocket. Shape is long-oval, color bright red, good flavor. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

White Rocket. Similar to Red Rocket, but is pure waxy white throughout. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

White Tip Rocket. Brilliant scarlet with white tip· flavor delicious. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

LONG VARIETIES

Scarlet Short Top. Very long and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Scarlet Chartier White Tipped. The color at the top is crimson, running into pink about the middle, and from thence downward is a pure white. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 65c.

White Strasburg. Shape tapering; skin and flesh both white; excellent Summer variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c.

Giant White Stuttgart. Medium early, large and heavy; pure white throughout; very tender and delicious flavor. A very popular sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long White Vienna, or Lady Finger. Pure white in color, of long tapering shape; very attractive in appearance. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

WINTER RADISHES

Rose China. Bright rose color; flesh firm and piquant; fine for Winter use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Black Spanish. The popular winter sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Round Black Spanish. Fine for Winter use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Half-Long Black Spanish. A fine market gardeners' strain. Flesh white and crisp; fit to use early in the Fall. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

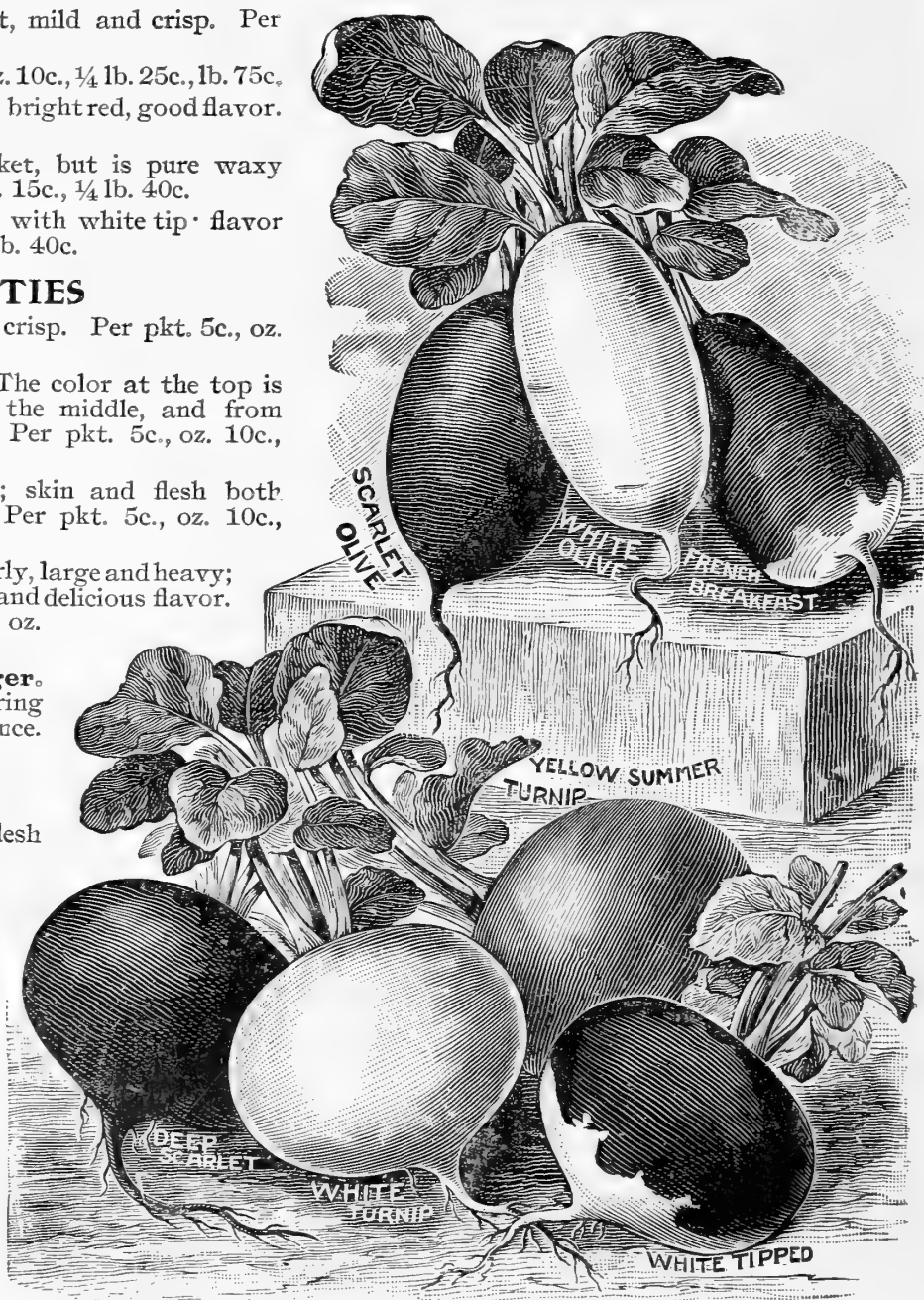
California Mammoth White Winter. A white fleshed Radish of excellent quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early Scarlet Globe. Of distinct shape, brilliant color, short-leaved; crisp and white; an excellent variety for forcing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Large White Summer. Large size and fine form; excellent for Summer use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c.

Large Gray Summer. Large size, round. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c.

Triumph Scarlet Striped, Forcing. A very desirable addition to our forcing sorts. The roots are about the size and shape of Scarlet Turnip White Tipped, but are creamy-white, beautifully marked with spots and dashes of carmine. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.



SALSIFY, or VEGETABLE OYSTER

One ounce will sow about 50 feet of drill.

CULTURE.—Sow the seed early in Spring, in drills twelve inches apart and one inch deep, thinning out the young plants to six inches. The roots will be ready in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground until Spring.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

SCORZONERA

One ounce will sow about 50 feet of drill.

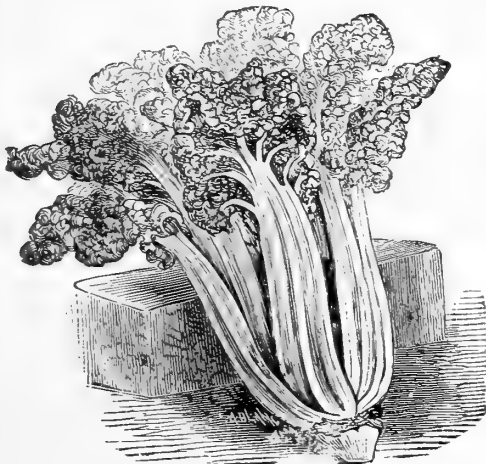
CULTURE.—Cultivate the same as Salsify. The roots should not be scraped, but simply washed, boiled tender, then peeled and served like asparagus. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

SWISS CHARD

One ounce will sow about 100 feet of drill.

CULTURE.—This is a beet producing only leaves, and is excellent used as greens. Considered by many much superior to either spinach or beet-tops as greens. Sow the seed as early as the ground can be worked, in drills about a foot apart. As it grows thin out for use.

Swiss Chard. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Swiss Chard

SORREL

One ounce will sow about 100 feet of drill.

CULTURE.—Sow early in the Spring in drills six to eight inches apart.

Garden. Per pkt 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

SPROUTS

One ounce will plant about 150 feet of drill.

CULTURE.—Sow in drills one inch deep and treat the same as Kale.

Spring Sprouts, or English Rape. Per pkt. 5c., oz., 10c.

Winter, or Siberian Kale. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

SPINACH

One ounce will sow about 100 feet of drill.

CULTURE.—Sow in March or April in drills one inch deep and fourteen inches apart; again in August or September. Spinach delights in very rich soil—in fact, it is of no use sowing in a poor one.

Norfolk Savoy-Leaved. A valuable variety with wrinkled leaves, resembling the Savoy cabbage; hardy and prolific. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Large Thick-Leaved. Fine market sort. It produces a large, thick leaf and stands for a long time before running to seed. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Round-Leaved. One of the best for market or family gardens. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Large Thick-Leaved Viroflay. A fine selection of the old lettuce-leaved spinach. Excellent for Summer use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Long Standing. A distinct variety, standing from two to three weeks longer than any of the other sorts without going to seed in this climate. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

New Zealand. Produces leaves in great abundance throughout the Summer; it should be transplanted two by three feet. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

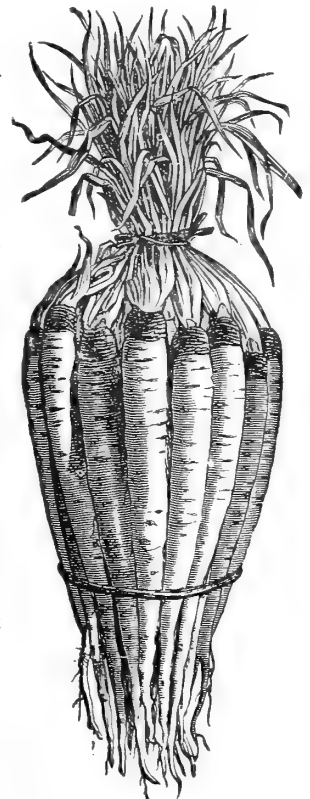
Victoria. New extra dark black-green color. Two or three weeks later than the ordinary Long Standing. A fine variety for Spring sowing. Per pkt. 5c., oz. 10c., lb. 35c.

SEA-KALE

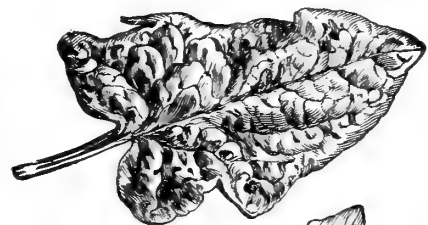
One ounce will produce about 300 plants.

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep in drills two feet apart, thin out to six inches, and the next Spring plant in hills three feet apart.

Sea-Kale. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Salsify, Sandwich Island



Spinach, Long Standing

SQUASH

One oz. Early Squash will plant about 25 hills. One oz. Marrow Squash will plant about 50 hills.

CULTURE.—The Squash succeeds best in good rich soil. It is not advisable to plant before May 15th. Sow in hills in the same manner as cucumbers and melons.



Squash, White Bush Scalloped

White Bush Scalloped. This and the Yellow Bush Scalloped are esteemed the earliest, and are grown almost exclusively for first crop. From the hard texture of the rind it is well suited for shipping, and they are grown exclusively at the South for that purpose. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

Long Island White Bush. A selection of the Old White Bush Scalloped, and a vast improvement, having less prominent ridges and being much deeper, so that a single squash actually contains nearly twice as much weight for the same cubic measurement as the old sort. In addition to this, it is of finer quality and very prolific. We can strongly recommend this variety. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Yellow Bush Scalloped. Differs from the white only in color. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

Golden Custard. Mammoth strain of the Early Yellow Scalloped Bush. Golden yellow flesh, quality excellent. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Perfect Gem. Round, white, very productive, and of fine quality. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Boston Marrow. Medium early; oval in shape; yellow flesh, and of most excellent quality. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

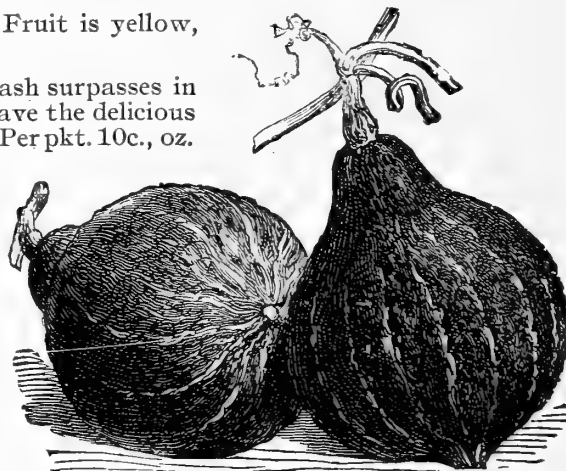
Early Summer Crookneck. A very fine early Summer variety. Fruit is yellow, fine flavor and productive. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Giant Bush Summer Crookneck. The Crookneck class of Squash surpasses in quality any of the summer varieties, and in the Mammoth we have the delicious buttery flavor of the original sort, but of just double the size. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c.

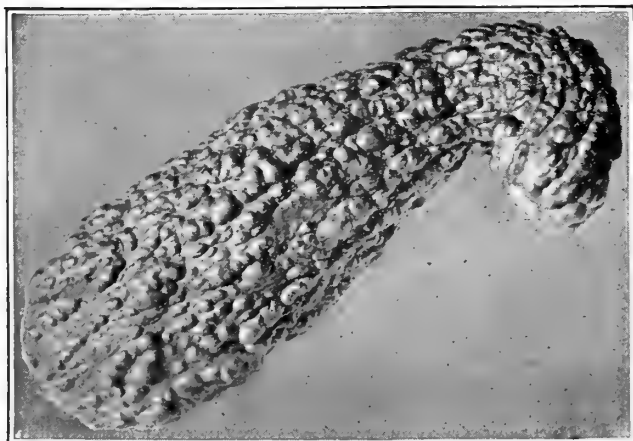
Hubbard. Finest of all the late-growing varieties. Bluish green color, occasionally marked with brownish orange. Will keep from September to May. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Delicata. Early and very prolific; of oblong shape. Ground-color orange-yellow, splashed and striped with very dark green. Although of small size, the squash are solid and heavy, while the quality is rich and dry. An excellent "all seasons" squash. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c.

Mammoth Chili. The flesh is very thick and of a rich yellow color; the quality is good and nutritious. They are most profitable to grow for stock feeding. They keep well throughout the entire Winter. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.



Squash, Hubbard



Squash, Giant Summer Crookneck

Winter Crookneck. Splendid for Winter; flesh, close-grained, sweet and of fine flavor. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Vegetable Marrow. A favorite English and Canadian sort; oblong, from 9 to 18 inches in length. Flesh, white, soft and very delicious. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

RHUBARB

One ounce will produce about 1000 plants.

CULTURE.—Sow early in Spring, in drills one inch deep and a foot apart; thin out; transplant the following season four feet apart each way. The ground should be drenched and well manured.

Linnaeus. Early, large and tender. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Victoria. Very large, somewhat later than Linnaeus. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

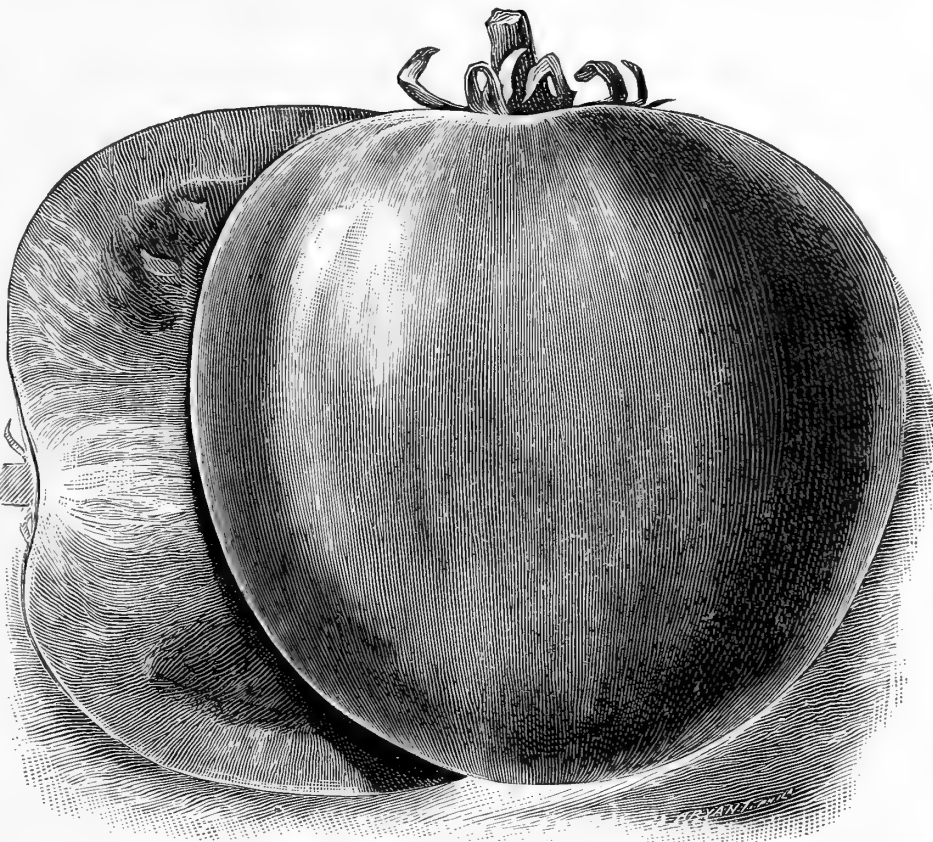
Rhubarb Roots. Each 10c., per doz. \$1.00.

TOMATO

One ounce will produce about 1000 plants.

CULTURE.—The seed should be sown in a hotbed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high they should be transplanted into another hotbed and planted four inches apart, or planted in four inch pots, allowing a single plant to a pot. About the 15th of May the plants may be set out in the open ground three feet apart. Water freely at the time of transplanting. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen. The fruit is greatly improved in quality if the vines are tied to a trellis or to stakes.

Livingston's New Globe. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with flat fruited sorts. Among the very first to ripen, although of large size, very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinged purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short-jointed, branching plants in great abundance—literally loaded with fruit. A good general cropper, and one of the very best for greenhouse growing or first early crop on stakes or trellis. Per pkt. 10c., ½ oz. 30c., oz. 50c., lb. \$5.00.



Tomato, Livingston's New Globe

Selected Early Paragon. Vine medium sized, with large dark green leaves, having numerous clusters of three to seven large tomatoes, which are a rich dark red color, exceedingly smooth; flesh very firm, but without green spots. This is a favorite variety on account of its smooth, handsome fruit. One of the best varieties for canning. Per pkt. 10c., ½ oz. 15c., oz. 35c., ¼ lb. 75c., lb. \$2.00.

Matchless. The color is rich cardinal red. The skin is so tough that it is a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsurpassed for market or for table. The plant is a strong grower, and is very productive, bearing with undiminished vigor until frost. The fruit is free from core, and the seed spaces are comparatively small. Per pkt., 5c., ½ oz. 15c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Royal Red. Vines stronger and more vigorous than the Favorite. Fruit large and bright red. Per pkt. 5c., ½ oz. 15c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Sparks' Earliana. The most perfect of all tomatoes. Of large uniform size and beautiful red color; ripens thoroughly. Per pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.25.

Chalk's Early Jewell. A good second early sort. Per pkt. 5c., ½ oz. 15c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Dwarf Champion. Distinct in foliage and habit of growth, being compact and upright; fruits early; medium size, and resembles the Acme in appearance. Per pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Beauty. Large, smooth, pinkish red; thick flesh, regular form. Per pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

Stone. One of the best. It is very large, perfectly smooth, and of a bright scarlet color. Per pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

Acme. Early, of medium size, perfectly smooth, very solid and productive. Per pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

Trophy. Improved. A standard variety. Very solid, smooth and excellent in every respect. Per pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

S. & W. Co.'s Earliest of All. Unquestionably the earliest red Tomato in cultivation. Fruit good size, brilliant red color, smooth, very prolific, and of superior flavor. If sown in March and transplanted will bear a good crop of Tomatoes by July, and continue fruiting until cold weather sets in. Per pkt. 10c., ½ oz. 20c., oz. 40c., ¼ lb. \$1.25, lb. \$4.00.

Ponderosa. The largest variety in cultivation. Per pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.00.

Perfection. Smooth, productive and a good shipper. Per pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

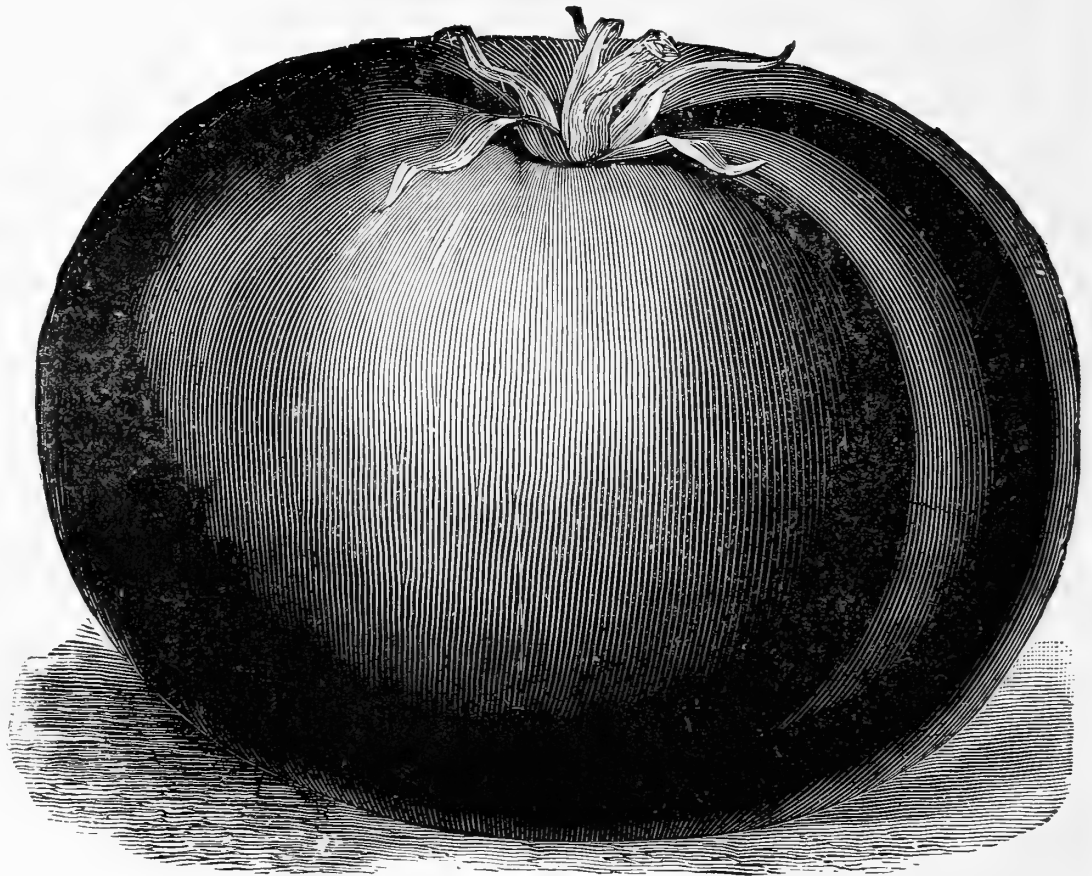
Tomatoes—Continued

Crimson Cushion. The Crimson Cushion is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to blossom end; in fact so marked is this characteristic that it is frequently almost round. The color is brilliant scarlet-crimson, untinged with purple, and ripens up almost to the stem. The flesh is firm and "meaty," and of superb quality. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$4.00.

Dwarf Stone. The largest fruited of all the dwarf tomatoes. The fruits are produced in clusters of 3 to 5 and, as the growth is close jointed, each plant produces a large number. The tomatoes average four inches in diameter and two and a half inches in depth. Per pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Golden Queen. About size and form of Beauty; smooth, golden yellow. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Early Michigan. Vines large, with large, dark green leaves, vigorous and productive, being under high culture one of the heaviest croppers; fruit medium size to large, and, unlike most varieties, grows larger as the season advances, perfectly smooth, solid, but without any core; deep, rich red color, and of excellent flavor. Its first fruits are very early, but the



Tomato, Crimson Cushion

vines continue to bear for a long time. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Favorite. This is a very popular variety. Fruit dark red color, smooth; flesh firm and fine flavored. A very heavy cropper. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

TOMATOES. Special Forcing Varieties

Imported from a noted English Specialist.

	Per pkt.	Per $\frac{1}{2}$ oz.	Per oz.
S. & W. Co.'s Special Forcing	25c.	\$1.00	\$2.00
Best of All	25c.	.75	1.50
Carter's Duke of York.....	25c.	1.00	2.00
Stirling Castle.....	25c.	1.00	2.00

TOMATOES. Small Fruiting Varieties

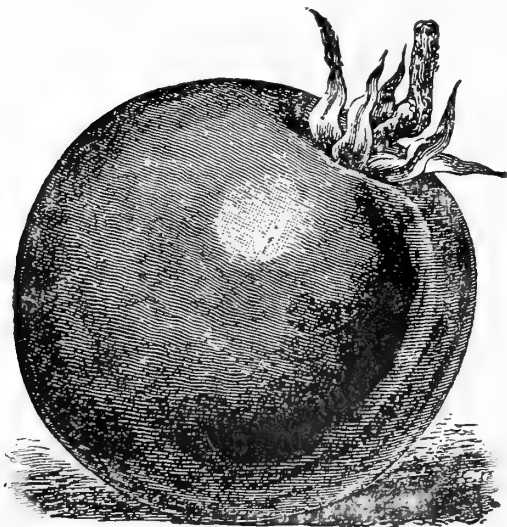
	Per pkt.	Per $\frac{1}{2}$ oz.	Per oz.
Yellow Cherry.....	10c.	25c.	40c.
" Plum.....	10c.	25c.	40c.
Red Cherry.....	10c.	25c.	40c.
" Peach.....	10c.	25c.	40c.
" Pear.....	10c.	25c.	40c.

Strawberry. Small fruit, borne in clusters; used for preserves.

TOMATO PLANTS. Pot Grown

	Per doz.	Per 100		Per doz.	Per 100
Crimson Cushion	75c.	\$5.00	Early Michigan.....	60c.	\$4.00
Ponderosa.....	75c.	5.00	Acme.....	60c.	4.00
June Pink.....	75c.	5.00	Stone.....	60c.	4.00
Earliest of All.....	75c.	5.00	Globe.....	75c.	5.00

We have Tomato plants, grown in flats, at 25c. per dozen, \$2.00 per 100.



TURNIP

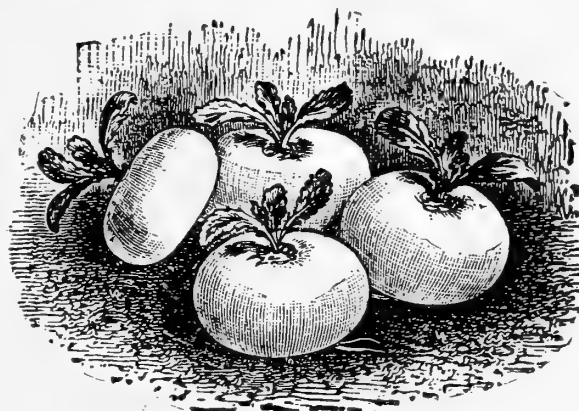
One ounce will sow about 150 feet of drill.

CULTURE.—Sow in spring, and again in July and August in drills half an inch deep and 18 inches apart; thin out to six inches in the row. Sow Ruta-Baga in June and July in drills two feet apart each way; thin out to nine inches in the row.

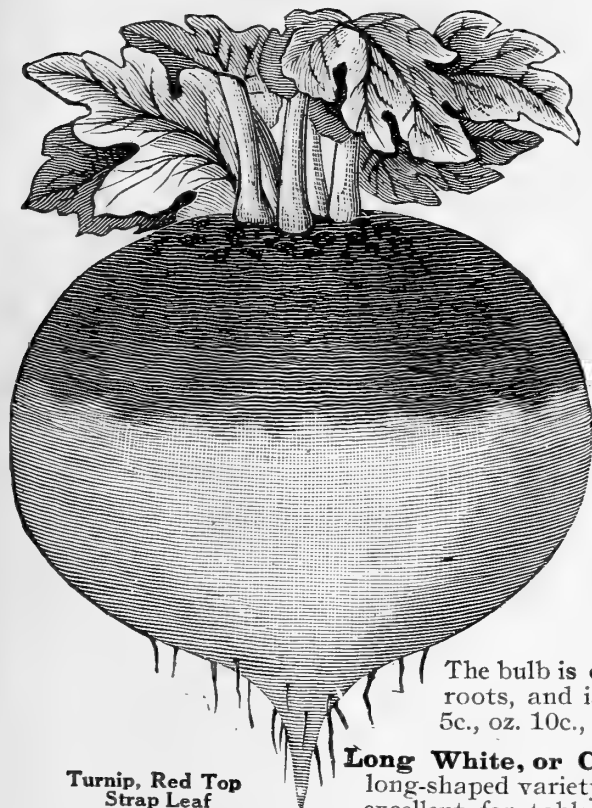
Early White Milan. As early as the Early Purple Top Milan and possesses all of its good qualities. The entire bulb, inside and out, is clear ivory white in color; the outer surface is perfectly smooth. It grows so quickly that even the outer surface of the bulb is quite tender. Its table qualities are unequaled, being of most delicate flavor and tempting appearance. It will undoubtedly find a welcome in our markets, as, in addition to the heavy crop assured by its adaptability for close planting, it will be found to be fit for use at least a week earlier than any other white variety in cultivation. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

White Egg. Shape nearly oval, flesh firm, smooth white skin, mild and very sweet. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Early Snowball. Small, solid, crisp and sweet; one of the best for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Turnip, Early White Milan



Turnip, Red Top Strap Leaf

Purple Top Munich. One of the earliest varieties. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb., 50c.

Red Top Strap Leaf. A standard sort, extensively grown for market and private use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

White Strap Leaf. Early variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Purple Top White Globe. An early variety, globe-shaped, heavy cropper, in other respects similar to Red Top Strap Leaf. A handsome-looking bulb, and is rapidly taking the lead of all other varieties of Early Turnip for market garden purposes. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 55c.

Yellow Stone. One of the best yellow flesh sorts for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Golden Ball, or Orange Jelly. This is the most distinct yellow Turnip we know. The flesh is of a very fine texture, making it one of the best table varieties. Its beautiful color and fine flesh have earned for it the synonym of "Orange Jelly," which well describes its appearance when ready for the table.

The bulb is of medium size, with small tap roots, and is early in maturing. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 55c.

Long White, or Cow Horn. A quick-growing long-shaped variety, flesh fine-grained and sweet; excellent for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Early Purple Top Milan. Earliest of all purple-topped turnips. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Yellow Aberdeen. A very hardy and productive variety of fine form and excellent quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

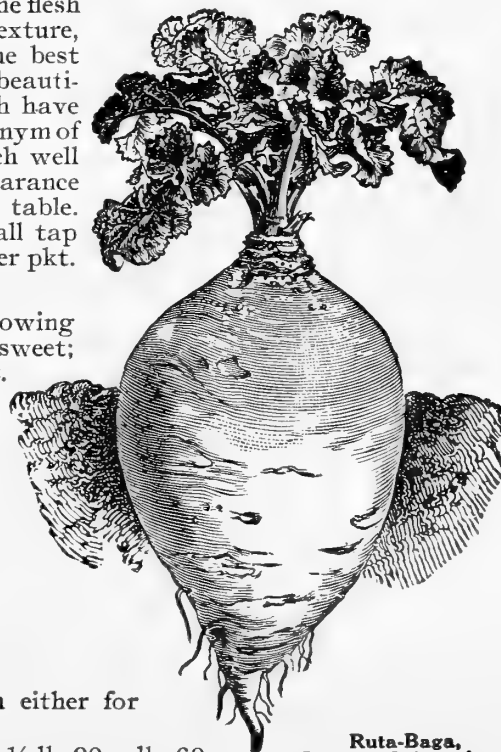
White French, or Sweet German. A delicate flavored variety; an excellent keeper and fine for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.

RUTA-BAGA

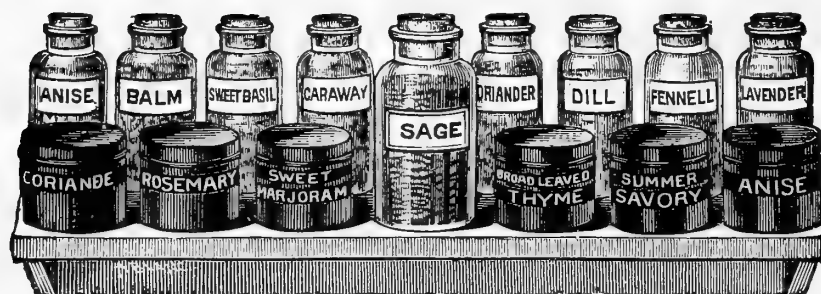
(Russian or Swedish Turnip)

Improved American. A yellow-fleshed, purple-top variety, grown either for stock or table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Island Improved. The best variety offered. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



Ruta-Baga, Improved American



HERBS



Seeds of Pot, Sweet and Medicinal

	Per pkt.	Oz.	Lb.
Anise. Seeds aromatic and carminative.....	Pimpinella anisum... \$0 05	\$0 10	\$0 75
Balm. For culinary purposes.....	Melissa officinalis.....	05	30
Basil. Sweet. Culinary herb used for flavoring soups, etc.....	Ocimum basilicum.....	05	15 1 25
Bene. The leaves used for dysentery.....	Sesamum orientale.....	05	10 80
Borage. Leaves used as a salad.....	Borago officinalis.....	05	10 1 00
Caraway. Used in flavoring liquors and bread.....	Carum Carui.....	05	10 60
Catnip. Has medicinal qualities.....	Nepeta cataria.....	10	40 4 00
Coriander. Seeds aromatic.....	Coriandrum sativum... 05	10 50	
Dill. Seeds used for flavoring vinegar.....	Anethum graveolens... 05	10 50	
Fennel, Florence. In flavor resembling celery.....	Anethum Foeniculum... 05	15 1 25	
Horehound. Has medicinal qualities.....	Marrubium vulgare.....	05	25 2 50
Hyssop. Has medicinal qualities.....	Hyssopus officinalis... 05	25 2 50	
Lavender, True. For oil and distilled water.....	Lavendula vera.....	05	30 3 00
Marjoram, Sweet. Used in seasoning.....	Origanum Majorana... 05	20 1 25	
Mint, Peppermint.....	Mentha piperita.....	25	
Rosemary. Yields an aromatic oil and water.....	Rosmarinus officinalis. 05	30 3 00	
Rue. Said to have medicinal qualities.....	Ruta graveolens.....	05	20 2 00
Saffron. Used in medicine and also in dyeing.....	Carthamus tinctorius.. 05	10 75	
Sage, Common. A culinary herb; also used in medicine.....	Salvia officinalis.....	05	15 1 50
Savory, Summer. Used as a culinary herb.....	Satureja Hortensis.....	05	10 75
Savory, Winter. Used as a culinary herb.....	Satureja montana.....	05	20 2 00
Tarragon. True. Does not produce seed. Roots in Fall and Spring.....	Artemisia Dracunculus 35c. each, \$3.50 per doz.....		
Thyme, Broad-leaved English. Used as a seasoning.....	Thymus vulgaris.....	05	25 2 50
Thyme, French.....	Thymus vulgaris.....	05	30 3 25
Woodruff.	Asperula odorata.....	05	60
Wormwood. Has medicinal qualities.....	Artemisia Absinthium.. 05	20 2 00	

TOBACCO SEEDS

THE BEST VARIETIES FOR EVERY TYPE

Our Tobacco Seed is grown for us by one of the most reliable Tobacco Seed growers in the world. And the varieties listed are those of established good qualities and Pedigree Seeds, improved by continuous selection, grown on the Crown Spray of Selected Seed Stocks, true to name and of the highest vitality.

Bonanza. A white Burley cross on yellow Oronoko, and a very superior one, possessing the qualities of both parents beautifully blended, and for the manufacturing types most popular and in the greatest demand; it is superior to either of them, for it is tougher than the Burley and more porous than the Oronoko, and therefore makes Superior Wrappers, Cutters and Fillers. It stands the vicissitudes of seasons better than the Burley. Per pkt. 10c., ¼ oz. 40c., ½ oz. 75c., oz. \$1.50.

Gold Finder. A Yellow Oronoko crossed on White Burley, and in the estimation of some planters who have seen it growing, the most beautiful yet developed. Growing on the hill it is almost as white as the Burley; has the shape, won its way to favor, and is destined to become a favorite. Per pkt. 10c., ¼ oz. 40c., ½ oz. 75c., oz. \$1.50.

Big Havana. A hybrid Havana or Cuban seed-leaf. A heavy cropper, of fine texture, delightful flavor and earliest cigar variety to mature and ripen. Will make two crops from one planting in the South, whilst its earliness makes it most desirable for high latitude. The best Americanized Havana. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

Comstock Spanish. This is an original pure Havana seed-leaf, developed to suitable size for wrappers and fillers by four or five years' replanting. It is held to be one of the very best varieties of cigar tobacco grown in this country. Per pkt. 10c., ¼ oz. 40c., ½ oz. 75c., oz. \$1.50.

Turkish. Grown direct from imported seed. First year's crop better than imported, as it is partially acclimated, but still retains its flavor. Per pkt. 25c., ¼ oz. 75c., ½ oz. \$1.50, oz. \$3.00.

Sumatra. De Rano, de Deli. The cream of cigar wrappers. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

Choice Havana. A very superior Americanized Havana, extra fine. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

Vuelta de Abajo. The finest, silkiest and highest flavored Havana grown. Where you want the best, procure our seed of first crop. First crop grown from seed imported from the Vuelta Valley. Per pkt. 25c., ¼ oz. 75c., ½ oz. \$1.50, oz. \$3.00.

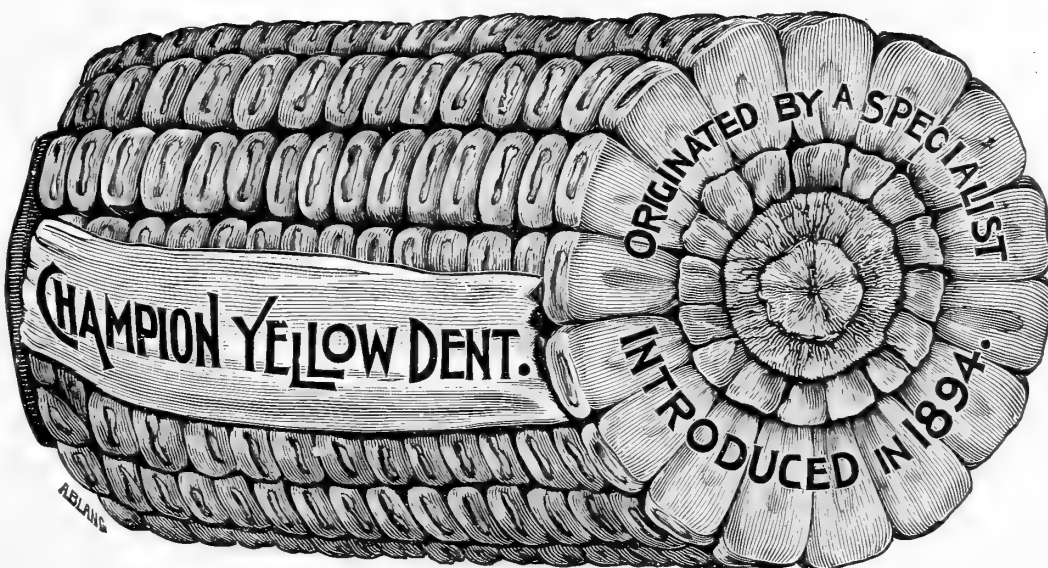
Havana Seed Leaf. The largest of the Havana strain, and popular. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

FARM SEEDS

FIELD CORN

CHAMPION YELLOW DENT CORN

This famous corn still retains its popularity as an exceedingly early and prolific variety, always maturing in about 120 days; often shelling 62 pounds of grain from 70 pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about 7 feet in height. This is probably the best Dent Corn for general cultivation in the North, and is now largely used in the South and West, as it matures its crop before the hot winds affect it. This corn is not fully appreciated until the large yield and small percentage of cob to corn are carefully noted. There is no Yellow Dent Corn yet discovered that can take the place of this most valuable variety. It is a safe corn for any section of country, never disappoints the grower by maturing too late, yields more corn acre for acre than any other, and has by far the most satisfactory record of Yellow Dent Corn ever introduced. Per qt. 15c., pk. 90c., bush. \$2.50.



IOWA GOLD MINE CORN

An Early Yellow Dent. A very popular Yellow Dent Corn originated in Central Iowa. It has a very long yellow grain and very small, red cob. By a careful test, 400 measured bushels of its ears shelled out 456 bushels. It matures in about 95 days, and gives good satisfaction. Seed was grown from direct headquarters stock. Per qt. 15c., pk. 90c., bush. \$2.50.

SANFORD WHITE FLINT

We have had many inquiries in the past for a white flint, but have never before been able to offer it, as it has always been a difficult matter to get hold of good seed. We now have some choice select seed of this one of the best of all flint varieties. The ears are very long, 12 to 15 inches, of handsome appearance, with large kernels of a transparent white color. The stalks are very leafy and the corn is also very productive, with usually two or three ears on a stalk. Per qt. 15c., pk. 75c., bush. \$2.50.

LONGFELLOW FLINT

The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, very slender straight ears, 10 to 15 inches long. Kernels are large and wide and cob very small. Ripens in 75 to 85 days and very prolific. Well adapted to the Northern States and largely grown in Northern Wisconsin and Minnesota. Per qt. 15c., pk. 75c., bush. \$2.50.

SOUTHERN FODDER, HORSETOOTH

Another white variety that no soil owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stocks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. It will yield very heavy crops. Per qt. 15c., bush. \$1.50, 10 bush. \$1.40 per bush.

IMPROVED EARLY HORSETOOTH

Same as Southern Horsetooth, but better selected and earlier. Per qt. 20c., bush. \$1.60, 10 bush. \$1.50 per bush.

SWEET FODDER CORN

For silage or ensilage. Profitable as green fodder; cut when green to feed cattle. Sow broadcast 2 bushels. In drills 3 feet apart, 1 bushel per acre. Per qt. 20c., pk. \$1.00, bush. \$3.50.

SNOW WHITE DENT CORN

In every way the best milling corn in the world. Most free from barrenness. Highest average yielder. The rapid development during the past few years of the manufacture of white corn products has had one great hindrance in the way of much greater development, namely, the horrible quality of the corn grown. **Snow White Dent Corn**, which is by great odds the whitest, purest, densest, and most uniformkerneled, surest maturing and most free from the curse of dry rot (which is the embodiment of an ideal milling corn); we have also established buoyant cosmopolitan character and great freedom from barrenness and its attendant degeneracy—dry rot, smut, chaffiness, abortive pollenization, etc. Per qt. 20c., pk. \$1.00, bush. \$3.00.

IMPROVED LEAMING CORN

This popular and distinct variety of Yellow Dent Corn certainly has, beyond question, reached the grandest success of any Yellow Dent Corn that has ever been brought before the farming public. The stalks grow to a medium height, not large, but thick, have but few suckers, and often produce two fine ears, which in the true Leaming are low upon the stalk. The grain is long, narrow and thick, and sets very close together in the rows. The cob is medium-sized and very red. This corn husks and shells very easily, and weighs 60 to 62 pounds per measured bushel, and matures in 90 to 120 days. Per qt. 15c., pk. 90c., bush. \$2.50.

FARM SEEDS—Continued

SEED OATS

IMPORTED CLYDESDALE OATS

The most popular White Oat. We offer imported seed weighing 50 lbs. to the bushel. They yield 75 to 100 bushels of oats to the acre, and double the quantity of straw. Per pk. 75c., per bush. (50 lb.) \$2.50; 3 bush., sufficient for 1 acre, for \$7.00; 10 bushel lots, \$2.25 per bushel.

TWENTIETH CENTURY OATS

A comparatively new variety introduced by a well-known Wisconsin seed house. It seems to be quite an early oat, with a thick plump grain something like the Silver Mine. It is pure white in color, very attractive looking and has a good stiff straw. Per pk. 50c., per bush. \$1.50, per 10 bush. \$14.00.

Oats, Welcome. This is now a well-known and extensively grown variety, and is one of the heaviest, handsomest, and most productive white varieties grown. They stool heavily with extra strong, straight straw, standing well. Succeeds well in a wide range of climate, and under a great variety of soils and methods of culture. Per pk. 35c., per bush. \$1.25, per 10 bush. \$11.00.

LINCOLN OATS

Is one of the very best varieties ever introduced. It is a large white oat with thin hull and heavy meat. It has always proved with us a wonderfully productive oat, a remarkably strong grower, with *the stiffest straw of any*. On rich black soil, we always had great difficulty to find any oats that would stand up until we got the Lincoln. Per pk. 35c., per bush. \$1.25, per 10 bush. \$11.00.

SILVER MINE OATS

This variety was first introduced in 1895, two years after the Lincoln. Great claims were made for it. It is a plump white oat; not quite as large-grained as Lincoln, but earlier than either, and this year our stock is a little heavier than Lincoln. In fact, the Silver Mine did remarkably well here last season, furnishing us the heaviest oats grown in this locality. We never thought as much of Silver Mine as we do now, although it has always proven quite a satisfactory oat. Per pk. 30c., per bush. \$1.00, per 10 bush. \$9.50.

BUCKWHEAT

Sow about the middle of June, broadcast, 3 pks. to the acre.

New Japanese. This is a superior variety and more prolific, and yields double the weight per acre of other sorts. The grains are nearly twice as large as those of Silver Hull, and of fine color. This variety is always in demand, millers preferring it to all other sorts, and it makes the finest flour. Per pk. 75c., bush. \$2.00.

Imported Seed Japanese Buckwheat, per lb. 25c., 10 lbs. \$2.00.

Silver Hull. Per pk. 75c., bush. \$2.00.

MILLET

Hungarian Millet. A species of annual millet, yielding two to three tons of hay per acre. Sow one bushel to the acre, from May up till August. It is invaluable for overcoming a shortage of the regular hay crop. Per pk. 50c., bush. \$2.00, 10 bush. or more \$1.75 per bush.

German or Golden Millet. A valuable annual hay and fodder crop, more productive and coarser than Hungarian Grass, medium early, four to five feet high. Sow one bushel per acre. Per pk. 60c., bush. \$2.00, 10 bush. or more \$1.75 per bush.

Japanese Millet. Entirely distinct from any other Millet, grows tall and produces an enormous crop. It may be sown from the middle of May to the first of July, broadcast, at the rate of 15 lbs. to the acre, but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and hoed between the rows to keep down all weeds until the plant attains a height of 12 to 18 inches. This variety has yielded 21 tons of green fodder per acre, and a yield of over six tons of cured hay per acre. As a soiling crop we cut it three or four times during the season, when two to three feet in height. In connection with Sojas, in alternate layers, it makes an ensilage that comes nearer to being a perfectly balanced ration than any other crop. Per lb. 10c., 10 lbs. 75c., 100 lbs. \$6.50.

SPRING RYE

Used as a catch crop to sow where Winter grain has failed. Per pk. 75c., bush. \$2.00, 5 bush. or over \$1.75 per bush.

SPRING WHEAT

Saskatchewan Fife. This is the most desirable variety of Spring wheat. Per pk. 75c., bush. \$2.25.

MISCELLANEOUS

Peas for Fodder	Per Peck.	Per Bushel.
Cow Peas, Clay's.....	90c.	\$4.00
“ “ South Black Eye...	90c.	4.00
Canada Field White.....	75c.	2 00

Sunflower Mammoth Russian. Highly valued as an excellent and cheap food for fowls. It is the best egg producing food known. It can be raised cheaper than corn. Four pounds of seed will plant an acre. Per lb. 10c., 10 lbs., 75c., 100 lbs. \$6.00.

Artichokes, Jerusalem Roots. They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are the best hog food known. Per lb. 35c., 3 lbs. \$1.00 postpaid. By freight or express, pk. \$1.00, bush. \$3.50.

Dwarf Essex Rape. The true Dwarf Essex Rape is valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a “catch crop,” for it grows best late in the season. In the Northern States it can be sown at any time from May until the end of August, but in the Southern States it should not be sown until September or October for Winter pasture. Its fattening properties are said to be twice as good as clover. Sow ten to twelve pounds to the acre broadcast, or four to five pounds per acre in drills fifteen inches apart. Per lb. 10c., 10 lbs. \$1.00, 100 lbs. \$8.50.

Farm Seeds—Continued

MACARONI, OR DURUM WHEAT

The most talked about of all New Grains.

No other crop ever jumped into prominence so quickly in the entire history of the country.

The reason for this unparalleled increase, 150-fold in three years, is that experiments made by the Department of Agriculture proved conclusively that Macaroni, or Durum Wheat is in every way a superior wheat for bread making. Prof. Carleton says:

"The continual success of recent milling and baking operations has clearly demonstrated Durum Wheat has not heretofore been given its proper rank. It should properly be considered as a wheat of the highest class, ranking with hard spring and hard winter."

The seed should be sown and the crop cared for the same as any other spring wheat. It is very hardy and productive, yielding great crops in all sections. Specially fine for dry regions. Per qt. 20c., pk. 75c., bush. (60 lbs.) \$2.25.

EARLY AMBER CANE

Most valuable for dairy cows.

The leading dairy farmers of the Northwest generally regard sugar cane or sorghum as the best of all fodder plants to-day for their purpose. It is only recently, however, that it has come into general use. It can be easily grown on any good corn ground, is sweet and tender and greedily eaten by cattle, horses and hogs. It yields immense crops of fodder, as high as 100 tons of green feed being claimed from one acre. Several cuttings may be made. It may also be used for pastures. Sow any time from May 15 to July 15, 12 to 15 lbs. per acre, in rows, and cultivate the same as corn. Or if sown broadcast, use 50 lbs. per acre. The Early Amber is the best variety and the most used. Per lb. 10c., 10 lbs. 40c., 100 lbs. \$2.25.

WHITE KAFIR CORN

Yields great crops everywhere.

Largely grown in the South and now coming into favor with Northern farmers. It is a variety of sorghum cultivated in the South for both forage and grain. It grows 5 or 6 feet high, with a straight, upright growth and numerous broad leaves. The stalks keep green and are brittle and juicy, not hardening up like other varieties of sorghum. It makes the best kind of fodder for cattle or horses, and is easily grown. The seed is splendid for poultry. Never any failure. Sow in rows 2½ to 3½ feet apart and cultivate the same as corn, but do not sow until the ground is thoroughly warm. Five to ten lbs. will seed an acre if sown in rows, or ½ bushel if sown broadcast. Per lb. 10c., ½ pk. 40c., pk. 75c., bush. (50 lbs.) \$2.00. Special prices in quantity.

WHITE HULLESS BARLEY

A great novelty in Barley.

While Hulless is not strictly a new variety; in fact, we have had it five years. But we never have seed enough, and the fact that it is so much sought after by farmers in every section indicates that it is by no means thoroughly introduced yet. It is different from any other barley. The grain looks like wheat. It is almost as heavy as wheat, equal to wheat in feeding value and, will yield nearly twice as much. It succeeds in all barley-growing regions and also in sections where common barley is not grown at all. It is very early, thus making a splendid nurse crop for seeding with clover; is entirely beardless, with soft straw, splendid for feed. Many farmers cut it for a hay crop. It yields as high as 60 bushels per acre, and for feeding value is not surpassed by any other grain. Specially fine for poultry and for grinding for hogs. One man says: "I fattened 20 hogs with it for one butcher and made a gain of 106 lbs. to the hog in five weeks. It makes sweeter meat by far than corn." Per qt. 20c., pk. \$1.00, bush. (48 lbs.) \$2.50.

SOY BEANS, OR SOJA BEANS

The coming forage plant for farmers in the North.

Prof. Moore says: "Soy beans are very high in protein content and as soon as the dairymen can grow the Soy Beans successfully they can save a large amount of money, which is now being sent out of the state for protein feeds. Nearly all the farm animals eat Soy Beans readily as a grain or forage and do well upon them." At the Experimental Station at Madison as high as 50 bushels per acre of the dried beans have been grown. They are of the richest known vegetable substance and of almost inestimable value as a concentrated feed to form a balanced ration with coarser feeds. As a fertilizer even superior to clover.

Sow at corn-planting time, after the ground has become warm, broadcast if it be cut for hay, about one bushel of seed per acre. Or if to be harvested and threshed sow in rows 30 inches apart, and about 4 inches apart in the row. One peck of seed will plant an acre in this way. Cultivate same as corn. Our seed is Northern grown, the only kind which will mature in the North. Early Green Soja, per lb. 10c., pk. \$1.25, bush. \$5.00, 10 bush. lots \$4.50 per bush.

HANNA BARLEY

A new variety of barley recently introduced by the U. S. Dept. of Agriculture. It is a pedigree variety from Europe and is spoken of as "the great favorite barley among German and Austrian brewers." It is noted for its earliness, and very plump kernels. It is a two-rowed barley. Per qt. 15c., pk. 75c., bush. (48 lb.) \$2.00.

SAND or WINTER VETCH

Sometimes called Hairy Vetch. The most valuable of all vetches. It succeeds on nearly all soils and is specially recommended for poor land, where it thrives and improves the soil wonderfully, as it is very rich in nitrogen. It belongs to the pea family but the vines are more leafy and longer. It may be sown in the Spring or in the fall, preferably with rye. It remains green all winter and is valuable for early pasturing as well as a fertilizer. Sow 1 bush. per acre with ½ bush. rye or wheat. Per lb. 12c., bush. (60 lbs.) \$6.50, 100 lbs. \$9.50.

BROME GRASS (Bromus Inermis)

Most valuable new grass introduced in the last twenty-five years.

Bromus adapts itself to nearly all conditions of soil and climate and yields enormous quantities of hay and makes abundant pasture. It defies drought and is not affected by frost. A decided success. We have a fancy lot of seed to offer this year.

Prof. Shepard furnishes Cultural Directions for the seed as follows:

"Prepare the ground in the Spring as for oats. Sow ten pounds per acre broadcast on a still day, harrowing the seed in as for oats. In order not to lose the use of the ground the first year one bushel of oats per acre may be used as a nurse crop. When the oats are ready for hay, mow and remove the hay so the young grass may not be smothered. If a rank growth of weeds occur, mow a second time later in the season. Do not pasture the first year. The grass is inconspicuous and tender the first year. Do not plow it up thinking the stand is insufficient. Many fine fields of Brome Grass have been lost in this way. Brome Grass spreads from the roots like Blue Grass. The second year a crop of seed and a crop of hay may be secured. When the seed is ripe cut high with a binder, shock and thresh same as oats. In about two weeks cut the hay with a mower. If preferred, the Brome Grass can be pastured the second year. After the first year Brome Grass will hold its own and is not easily killed except by plowing." Per lb. 20c., bush. (14 lb.) \$2.60, 100 lbs. \$16.00.

READ'S DEFIANCE OAT

What the Originator has to say

Origin. Read's Defiance Oat was made in 1898, by hybridizing the Mortgage Lifter with the Lincoln, to combine the excellent qualities of both. The aim in view was fully accomplished, and I now have in the Defiance an oat showing greatly increased vigor and productiveness over both its parents.

Parents Rightly Mated. Its parents were rightly mated, and were the best of their day, each having won a national reputation—hence their capacity to produce Read's Defiance Oats.

New Blood. Read's Defiance Oats contain the best and newest blood. Their abundant growth of straw blades is nearly the size of ordinary oats, which attests the vigor and productive capacity of the strain. They do not run out as soon when grown year after year on the same land, another evidence of their great vigor.

Large Heads and Heavy Grain. The heads are long and well balanced, of a branching habit, heavily laden with plump yellow kernels of good length, which, when threshed, are very heavy, weighing usually thirty-six to forty-five pounds per bushel; therefore it is one of the best for feeding and milling purposes.

Stiff, Heavy Straw. The straw of this oat is wonderfully stiff and heavy, and grows to a remarkable height. Its great height, taken together with its unusual stooling qualities and luxurious growth of nutritious blades make it one of the best for oat hay. The straw, on account of being practically rust-proof, is very bright and has proven the best seller on the market.

Does Not Lodge. Read's Defiance Oat does not lodge on account of its strong straw, large deep roots, and its tendency (unknown among other oats) to send out just above the ground side roots, which reach out and catch, helping hold and enabling it to withstand twisting winds, and come forth after severe storms, standing nearly erect, as shown by the field picture.

Withstands Drought. It is characteristic of this oat to resist drought more effectually than the majority of kinds out of the scores of varieties I have tested, because of its magnificent root development, which taps the soil to a great depth, enabling it to reach a large amount of moisture.

Rust and Insect Proof. These oats, on account of being well endowed with a luxurious growth of wide-leaf blades, and because of their strong weather-, storm- and element-resisting qualities, are less liable to smut and rust than most any other sort. By reason of their new blood and great vigor, they do not easily succumb to the ravages of insects.

A Big Stooler. The enormous yields of this oat are very largely due to its remarkable stooling habits. When among a field of these oats, it is not unfrequent to find several stalks with big heads, all having sprung from one kernel of seed.

Price per pkt. 15c., postpaid; 1 pound 40c., postpaid; 3 pounds \$1.00, postpaid. By express or freight, not prepaid: 1 peck \$1.20, half bushel \$1.85, 1 bushel \$3.25, 2½ bushels \$6.90, 10 bushels \$25.50 net. Additional quantities at the bushel rate.



Yields. Read's Defiance Oats yield from 50 to 120 bushels per acre, depending upon the season, condition of the soil, and quantity of seed sown; while under more favorable conditions, with extra care, the yield has been at the rate of from 150 to 200 bushels per acre. In the year 1902 I raised 149½ pounds of threshed grain from one ounce of seed. A bushel sown in the same way with the same results would give 76,544 pounds, or 2,392 bushels of 32 pounds each. Of course, such yields are obtainable only in a small way under most favorable conditions, but it shows what choice breeds may be made to do when properly cared for, giving results which could not be approximated with ordinary sorts.

GENERAL LIST OF GRASSES AND CLOVER GRASS SEED

RED TOP. Choice seed. Per bush. (14 lbs.) \$2.00, lb. 20c., postpaid.

FANCY RED TOP. Clean seed, free from chaff. Per bush. (32 lbs.) \$5.00, lb. 25c., postpaid; per 100 lbs. \$14.00.

KENTUCKY BLUE GRASS (*Poa Pratensis*). Well-known and extensively grown in all parts of the country. Per bush. (14 lbs.) \$3.00, lb. 35c., postpaid; per 100 lbs. \$20.00.

ORCHARD GRASS. A valuable pasture grass, relished by stock of all kinds; particularly adapted for growing in shady places. Per bush. (14 lbs.) \$3.00, lb. 30c., postpaid; per 100 lbs. \$20.00.

TIMOTHY. A variety well known and highly appreciated, producing a profitable hay crop in almost any soil; $\frac{3}{4}$ bush. per acre. Per bush. (45 lbs.) \$3.00, per 100 lbs. \$6.50.

MEADOW FOXTAIL (*Alopecurus Pratensis*). One of the earliest and best pasture grasses; grows rapidly when cut or eaten down by stock. Per bush. (7 lbs.) \$2.75, lb. 40c., postpaid; per 100 lbs. \$35.00.

SWEET VERNAL GRASS (*Anthoxanthum Odorum*). Prized more for its early growth than nutritive value. It should be sown in connection with other grasses. Per lb. 85c., postpaid.

TALL OAT GRASS (*Avena Elatior*). Producing an early and luxuriant growth; this is a valuable variety for pastures. Per bush. (10 lbs.) \$2.75, lb. 40c., postpaid.

JOHNSON GRASS. Per bush. (25 lbs.) \$4.00, lb. 30c., postpaid.

RHODE ISLAND BENT (*Agrostis Canina*). Excellent for lawns or pastures. Per bush. (14 lbs.) \$5.25, lb. 50c., postpaid; per 100 lbs. \$35.00.

CRESTED DOGSTAIL. An excellent grass for hard, dry soils; valuable for pastures and lawns. Per lb. 50c., postpaid.

HARD FESCUE (*Festuca Duriuscula*). One of the most desirable dwarf grasses; excellent for dry soils. Per bush. \$2.00, lb. 25c., postpaid; per 100 lbs. \$15.00.

MEADOW FESCUE (*Festuca Pratensis*). A valuable grass for permanent pastures; very productive and nutritious. Per bush. \$3.60, lb. 35c., postpaid; per 100 lbs. \$15.00.

SHEEP FESCUE (*Festuca Ovina*). An excellent grass for sheep pastures. Per bush. \$2.00, lb. 35c., postpaid; per 100 lbs. \$15.00.

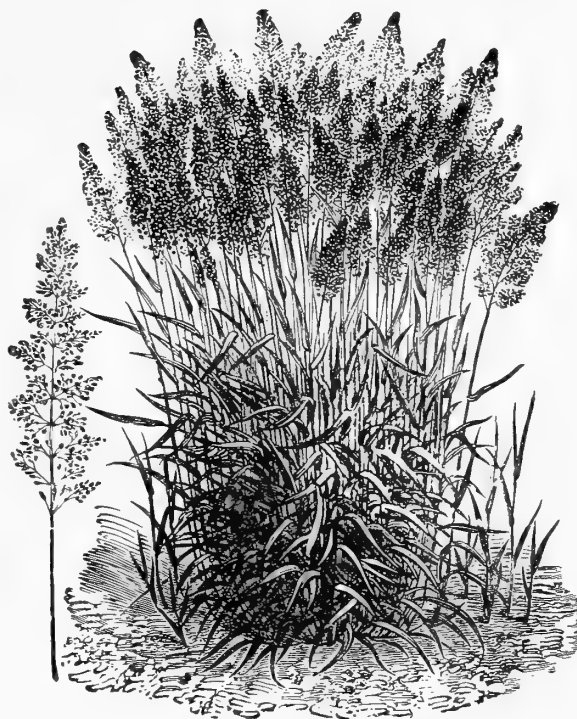
ENGLISH RYE GRASS (*Lolium Perenne*). A very nutritious, rapid-growing variety, valuable for meadows and pastures. Per bush. (24 lbs.) \$2.00, lb. 25c., postpaid; per 100 lbs. \$8.00.

ITALIAN RYE GRASS (*Lolium Italicum*). A valuable European variety, adapted to any climate, and produces large and nutritive crops. Per bush. (18 lbs.) \$1.60, lb. 25c., postpaid; per 100 lbs. \$8.00.

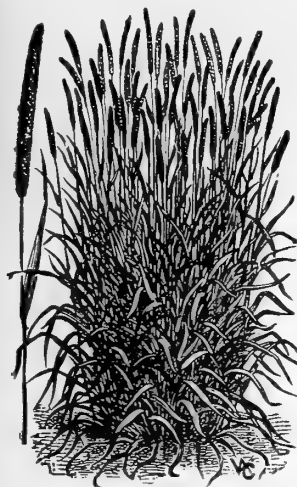
ROUGH STALKED MEADOW GRASS (*Poa Trivialis*). Produces an abundant crop of highly nutritious herbage; valuable for either moist or dry soils. Per lb. 50c., postpaid.

WOOD MEADOW GRASS (*Poa Nemoralis*). A very productive and nutritive grass, adapted for lawns or pastures. Thrives well under trees. Per bush. \$6.75, lb. 50c., postpaid.

HUNGARIAN GRASS (*Panicum Germanicum*). This is a species of millet, growing less rank, with smaller stalks, often yielding two or three tons of hay per acre; 1 bushel per acre. Per bush. (48 lbs.) \$2.00, lb. 25c., postpaid.



Red Top



Timothy

CLOVER SEED

	Weight per bush. lbs.	Per bush.	Per lb.	Per 100 lbs.
RED CLOVER, MEDIUM (<i>Trifolium Pratense</i>). Medium clover. The leading variety of clover for pastures or meadows. Very finest quality.....	60	\$15 00	\$0 30	\$25 00
WHITE DUTCH CLOVER (<i>Trifolium Repens</i>). The best variety for lawns, as it forms a close herbage and remains green throughout the season.....	60	18 00	35	30 00
ALFALFA, OR LUCERNE (<i>Medicago Sativa</i>). One of the best varieties, succeeding especially in the South and West, and bearing heavy crops of forage. Sow early in the Spring. 20 lbs. to the acre.....	60	13 00	25	22 00
ALSIKE, OR SWEDISH (<i>Trifolium Hybridum</i>). Hardest of all clovers, and on rich, moist soils yields an enormous quantity of hay or pasturage. Lasts many years. Sow 6 lbs. per acre when used alone.....	60	15 00	30	25 00
CRIMSON OR SCARLET CLOVER. It can be seeded at any time from June to October, at the rate of 15 to 20 lbs. per acre, and makes the earliest possible Spring pasture, blooming the latter part of April or May, and for feeding as hay should be cut just before coming into full bloom. Sow Crimson Clover at the last working of all crops like Beans, Corn, Melons, Cucumbers, Tomatoes, and other crops	60	6 00	15	10 00

Prices on Grass Seed and Clover subject to change without notice.

STUMPP & WALTER CO.'S High Grade Lawn Grass Seed



For Lawns, Grass Plots, Tennis Courts, Cricket Grounds, Etc.
Weights 22 lbs. per bushel

Our "**High Grade**" Lawn Grass Seed is composed of the very finest re-cleaned grasses, free from weeds and all foreign matter, and where a strictly first quality Grass Seed is wanted, we recommend this grade of Seed. While the price, \$5.00 per bushel, may seem high, remember our seed weighs 22 lbs. to the measured bushel, and requires only 3 to 4 bushels to the acre for new lawns, and 1 to 2 bushels for renovating old lawns.

Sow S. & W. Co.'s "High Grade" Lawn Grass Seed and you will obtain a beautiful deep green lawn, which, owing to the varieties used in this mixture, will retain its velvety appearance during the entire summer.

One quart of our "High Grade" Lawn Grass Seed is sufficient to sow about fifteen feet square; an acre will require from three to four bushels. To produce a good lawn it is always best to sow the seed thickly.

PRICE	Per Quart	Per 4 Quarts	Per 8 Quarts	Per bushel	Per 10 Bushels
	25 cts.	85 cts.	\$1.50	\$5.00	\$45.00

Central Park Lawn Grass

The Dwarf-Growing Seed we offer under the above name is the same mixture of selected seeds as has been furnished for several years to the Department of Parks and to most of the Florists and Gardeners of New York City and Brooklyn.

One quart of the Central Park Mixture is sufficient to sow about fifteen feet square; an acre will require from four to five bushels. To produce a good lawn it is always best to sow the seed thickly.

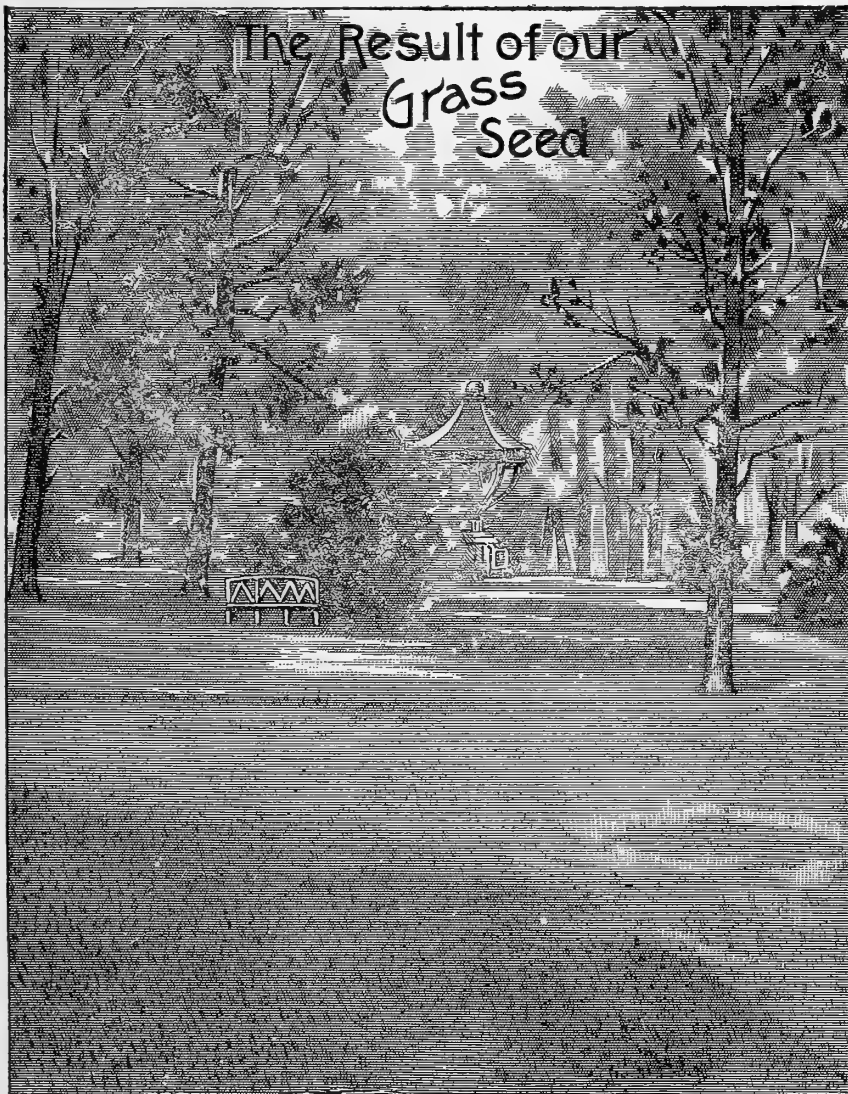
Price of Central Park Lawn Grass

Pint packages, each 10 cts.; by mail, 15 cts. Quart packages, each 20 cts.; by mail, 30 cts.
Per ½ peck, 60 cts.; per peck, \$1.00; per bushel, \$3.50

LAWN GRASS MIXTURES

FOR SPECIAL SITUATIONS

HAVING made a special study of grasses we invite correspondence on the subject, and are always willing to advise, as far as our knowledge will permit, how to secure the desired results, or will cheerfully prescribe for whatever the requirements of any special plot may be. With a view to overcome difficulties in getting grass to grow, generally the result of using mixtures of grasses not adaptable for the peculiar situations and conditions, we offer herewith a few Special Mixtures, made up of varieties which will thrive in these situations, and under the conditions for which they have been prepared.



SHADY PLACE LAWN SEED

There is nothing more annoying in caring for a lawn than the bare, unsightly spots under the trees, shrubs, etc., and invariably all efforts have failed to get the grass to grow in such places; but by sowing this mixture the difficulties will be overcome. It is a combination of dwarf-growing varieties which will do well in all shaded places, being found in their natural state in woods and other sheltered spots. Per qt. 35c., 4 qts. \$1.00, 8 qts. \$1.75, bush. (20 lbs.) \$6.00.

TERRACE SOD LAWN GRASS

To Grass a Bank or Terrace.—For each square rod, take two quarts of lawn grass seed and mix it thoroughly with six cubic feet of good, dry garden loam. Place it in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, and made as even and as thin as possible.

A special mixture of grasses best suited for sowing on terraces and side hills—grasses that produce strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, green turf throughout the season. Per qt. 35c., 4 qts. \$1.00, 8 qts. \$1.75, bush. (20 lbs.) \$6.00.

Golf Link Grass Mixture for Putting Greens. Weighs 22 lbs. to bush. Per qt. 30c., 4 qts. \$1.00, 8 qts. \$1.75, bush. \$6.00.

Golf Link Grass Mixture, for Outlying Grounds. Weighs 16 lbs. to bush. Per qt. 15c., 4 qts. 50c., 8 qts. 75c., bush. \$2.50; in large quantities, \$2.25 per bush.

Special Prices Quoted on Larger Quantities



STUMPP & WALTER CO.'S

GRASS

SEED

MIXTURES

FOR HAY AND PERMANENT PASTURE

FOR every different kind and condition of soil there are a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of Spring until Winter sets in there is no time when one species or another is not at its best. From these considerations the importance of sowing many varieties for pasture and meadow purposes will be apparent, consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet-Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, Timothy and Red Alsike Clover, blended in proportions which we have found from actual use, give the most satisfactory results.

On ordinarily fertile soil three bushels of this mixture are sufficient to seed an acre, but where the land is poor a larger quantity will be necessary. Taking one soil with another, a fair average would be three bushels to the acre.

For Hay and Permanent Pasture for Light Soils,

“ “ “ “ “ **Medium Soils.**

“ “ “ “ “ **Heavy Soils.**

“ **Orchard and Shady Places.**

“ **Hay only. Specially recommended for large hay crop.**

“ **Pasture only. Will stand close cropping without injury.**

\$2.50 per bushel of 14 lbs.
20 bushel lots, \$2.45 per bushel
50 “ 2.40 “
100 “ 2.35 “

Floral Novelties and Rare and Valuable Varieties of

Flower Seeds

ASTER

S. & W. Co.'s Late Branching

This exceptionally fine Aster is without a rival. It is as well known in Europe as in America, and although we placed it on the market only a few years ago, to-day every florist has a fine stock of the flowers in his window just before the Chrysanthemum comes in; and it is often mistaken for the Chrysanthemum, which it so much resembles. The flowers are of extraordinary size—much larger than other varieties—and stand erect on long, graceful stems, well above the foliage; flower stems 15 to 20 inches long. Grand for cutting. Plants extra large and of strong growth: one plant will cover a space two and a half feet square. By far the most satisfactory Aster grown.

Pure White. Pkt 10c. $\frac{1}{4}$ oz. 50c.

Shell Pink. Pkt. 10c., $\frac{1}{4}$ oz 50c.

Rose Pink. Pkt. 10c., $\frac{1}{4}$ oz 50c.

Lavender. Pkt 10c., $\frac{1}{4}$ oz 50c.

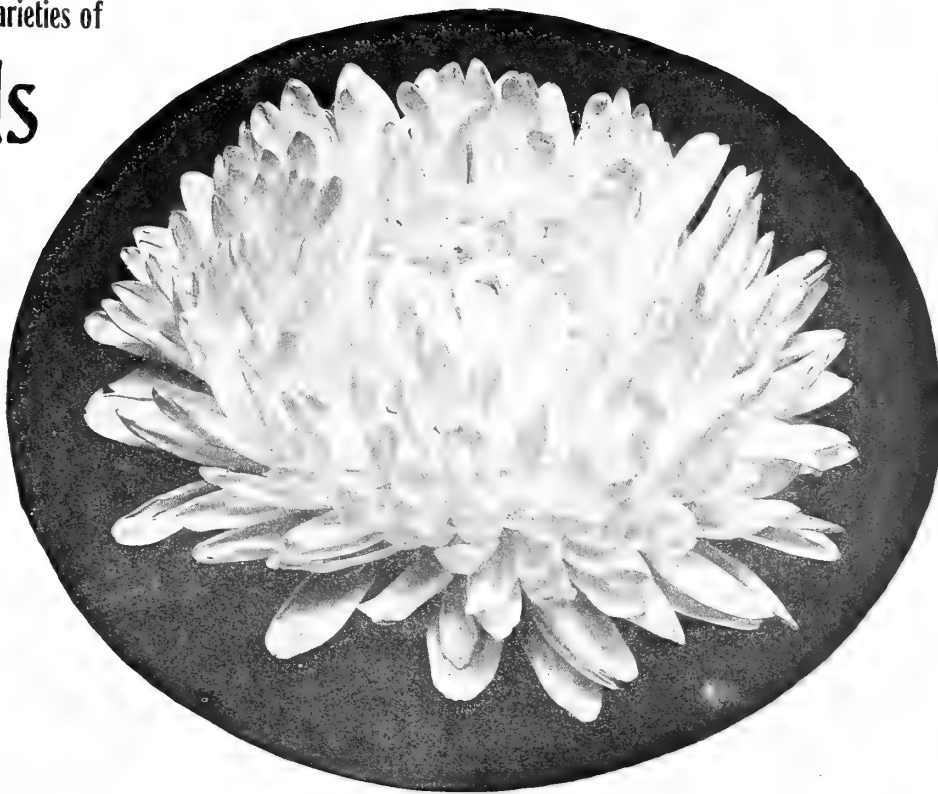
Purple. Pkt 10c., $\frac{1}{4}$ oz. 50c

Crimson. Pkt. 10c., $\frac{1}{4}$ oz 50c.

Carmine. Pkt 10c., $\frac{1}{4}$ oz 50c.

Mixed. Pkt. 10c., $\frac{1}{4}$ oz 50c.

Any of the above per oz \$1.50.



S. & W. Co.'s Late Branching Aster

ASTER HOHENZOLLERN

The New, Early Flowering, Ostrich Feather Aster

This is the finest of all the early flowering asters; the plants grow tall and branching, bearing flowers of mammoth size on exceedingly heavy, long stems. Many stems have measured 18 to 24 inches in length. The flowers are of the finest and purest colors, measuring 6 to 8 inches in diameter, and rivalling the finest chrysanthemums. A great improvement in Asters; as a cut flower it is ahead of anything we have ever seen.

Hohenzollern, white. Pkt. 15c., 500 seeds 50c.

Hohenzollern, rose. Pkt. 15c., 500 seeds 50c.

Hohenzollern, dark blue. Pkt. 15c., 500 seeds 50c.

Hohenzollern Crown Prince, brilliant carmine. Pkt. 15c., 500 seeds 50c.

Hohenzollern Syringa Blue, beautiful blue. Pkt. 25c., 500 seeds \$1.00.

Hohenzollern, mixed. Pkt. 10c., 500 seeds 25c.



Aster Hohenzollern

FLORAL NOVELTIES, ETC.—Continued

ASTER PURITY

A pure white Aster of great beauty. The plant is of most symmetrical habit, usually growing about eighteen inches high. The plants are literally one mass of snow white flowers of large size, resembling great balls of snow. As a cut flower variety, Purity is first-class, the stems being long and strong; the plant is of branching habit. This variety is very highly thought of by all florists, and we predict that it will become one of the leading white Asters for florists' use. Pkt. 10c., $\frac{1}{8}$ oz. 50c.

**ASTER
QUEEN OF THE MARKET**

EARLIEST OF ALL

Decidedly the best early Aster, producing flowers in profusion on long stems, and being several weeks earlier than any other Aster. The flowers are very double, rendering them of exceptional value for cutting purposes. Start your seed of this variety as early as possible to get best results. White, Crimson, Rose, Dark Blue, Light Blue, Flesh Color, Lilac Red or Mixed. Pkt. 5c., $\frac{1}{4}$ oz. 50c., oz. \$1.50.

**Aster Purity****ASTER DAYBREAK**

The flowers are large, and double to the center; the color is an exquisite shade of sea shell pink, resembling the color of Daybreak Carnation. The plant is a strong, compact grower, and the flowers are borne upright on long, stiff stems. A field of these plants in bloom is a sight never to be forgotten, and is charming beyond description. Pkt. 10c., $\frac{1}{8}$ oz. 50c.

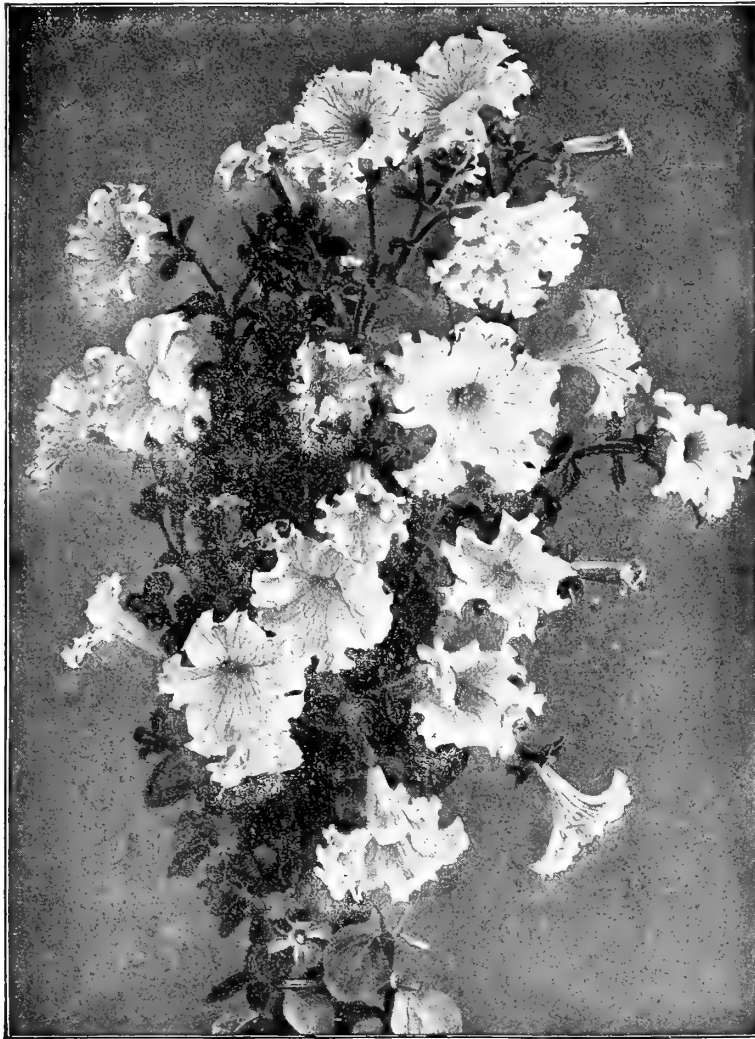
ASTER DWARF QUEEN

A beautiful early class of Asters, suitable for pots, beds and borders.

Dwarf Queen

White.....	Pkt. 10c., $\frac{1}{8}$ oz. 50c.
Brilliant rose.....	Pkt. 10c., $\frac{1}{8}$ oz. 50c.
Light blue.....	Pkt. 10c., $\frac{1}{8}$ oz. 50c.
Dark blue.....	Pkt. 10c., $\frac{1}{8}$ oz. 50c.
Crimson.....	Pkt. 10c., $\frac{1}{8}$ oz. 50c.
Mixed.....	Pkt. 10c., $\frac{1}{8}$ oz. 50c.

**Aster Daybreak**



Petunia Canary-Bird

PETUNIA CANARY-BIRD

(*P. grandiflora fimbriata aurea*)

The introducer's description as follows:

After many years of patient industry I am now in a position to introduce the first yellow-flowering Petunia, which combines with this distinctive quality a finely fringed form of flowers and compact habit of growth.

If my last year's introduction, the beautiful Petunia "Rheingold" in her golden and white splendor may be considered the Queen of the Superbissima-class, my new Petunia "Canary-Bird" is surely destined to rank foremost in the graceful section of fringed Petunias.

The plant attains a height of about 14 inches and is of a compact habit of growth. The flowers are of medium size, with finely fringed and curled borders and of a **distinct yellow color**, which deepens in the throat. Some flowers have a slightly green tinge, but the yellow color predominates.

To obtain a yellow Petunia has for years been the ardent wish and aim of many a cultivator. I have now realized it, and though *P. "Canary-Bird"* varies still a little, it produces already a surprisingly large percentage of true plants.

This novelty will need very little recommendation, as it speaks for itself.

Per pkt. 25c., 5 pkts. \$1.00, 12 pkts. \$2.00.

SCABIOUS TALL DOUBLE "AZURE FAIRY"

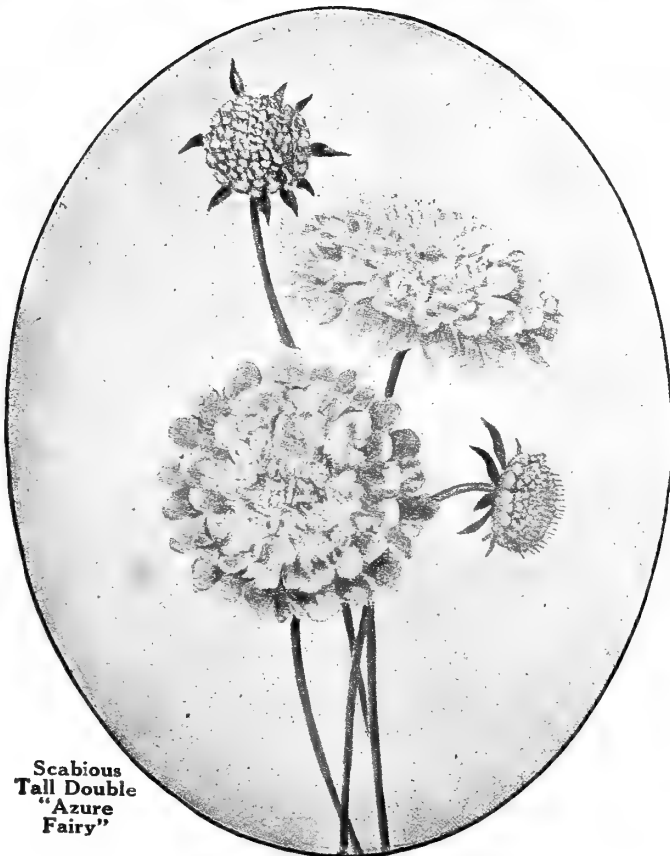
This was introduced some four years ago, but was so untrue and mixed with other colors that we have been very carefully selecting and fixing it ourselves and have now produced a true and very select stock of this very lovely pale blue annual. It is almost identical in color with the beautiful Perennial Scabiosa Caucasia, a color quite distinct in the annual varieties.

Per pkt. 25c., 5 pkts. \$1.00.

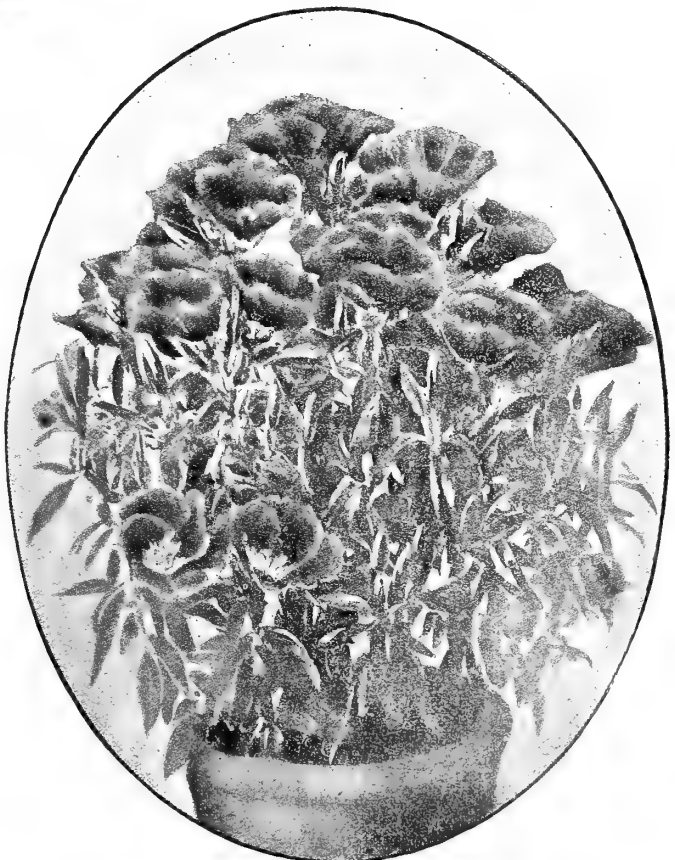
GODETIA SUNSET

Dwarf, compact; the most dazzling color of all, rosy crimson, and by far the most compact, forming perfect bushes of bloom, nine inches in height.

Per pkt. 10c., ¼ oz. 25c., oz. 90c.



Scabious
Tall Double
"Azure
Fairy"



Godetia Sunset

THE NEW GIGANTIC ORCHID FLOWERING COSMOS LADY LENOX



THIS GIGANTIC COSMOS is the forerunner of an entirely new race of Cosmos. It is of extraordinary size and beauty. Visitors to the floral exhibitions last Autumn were enraptured with its size and magnificent color.

SIZE OF FLOWER—Six to seven inches in diameter. COLOR. A delightful shell-pink, lighting up beautifully at night. FORM OF FLOWER. Oval petals of splendid substance, forming a perfectly circular flower which, when cut, lasts an unusual length of time in water. HABIT OF PLANT. Strong and vigorous, growing 6 to 7 feet high. Flowers may be cut with any length of stem up to 5 feet.

Price, 25c. per pkt., 5 pkts. for \$1.00.

FLOWER SEEDS

GENERAL LIST

ABRONIA

Verbena-like plants, very fragrant, especially toward evening. Charming trailers for vases, rockwork, etc. Half-hardy annual.

Umbellatum. Rosy pink. Height, $\frac{3}{4}$ ft. Pkt. 5c.

Arenaria. Lemon yellow. Height, $\frac{3}{4}$ ft. Pkt. 5c.

ABRUS PRECATORIUS (Prayer Bean, Crab's Eye)

Chiefly remarkable for its small egg-shaped seeds, which are of a brilliant scarlet color, with a black mark. These seeds are used for necklaces and other ornamental purposes. Pkt. 10c.

ACACIA

Decorative greenhouse shrubs with elegant foliage; flowers yellow, white or red. 3 to 6 ft. Perennial.

Mixed Varieties. Pkt. 5c.

ACROCLINIUM (Everlasting)

Very graceful plants, much used for Winter bouquets. The flower heads should be gathered when young, if to be preserved. Half-hardy annual.

Double, mixed. 1 ft. Pkt. 5c.

ADONIS

Very popular border plant of easy culture, showy and free bloomers. Hardy annual.

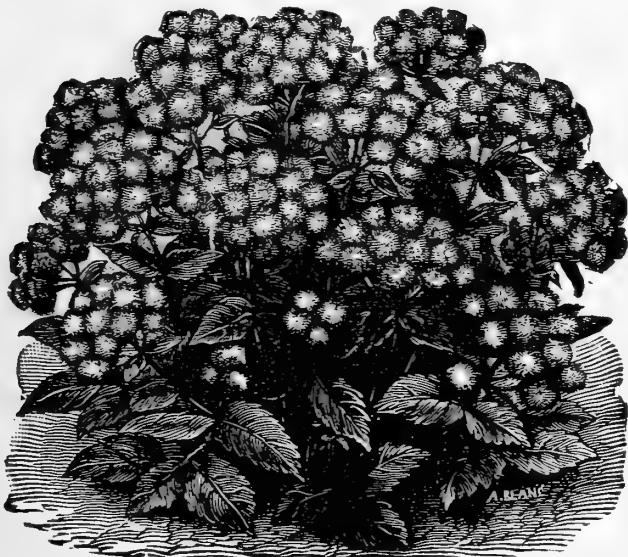
Aestivalis (Flos Adonis). Crimson. 1 ft. Pkt. 5c.

Vernalis (Hardy Yellow Adonis). Produces large yellow flowers in early Spring. $\frac{3}{4}$ ft. Pkt. 5c.

ANAGALLIS

Free blooming bedding plants.

Grandiflora Mixed. Pkt. 5c.



Dwarf Ageratum

AGERATUM

This indispensable plant keeps up a constant succession of bloom from early Summer till frost. Fine for bedding. Annuals.

Tom Thumb. Blue. $\frac{3}{4}$ ft. Pkt. 5c., oz. 60c.

" White. Conspicuum. Pkt. 5c.

" Princess Pauline. Sky blue flowers, white centers. 8 in. Pkt. 10c.

" Little Dorrit. Compact. 6 in. Blue. Pkt. 5c.

" Little Dorrit. White. Pkt. 5c.

" Blue Star. Pkt. 25c.

Mixed Varieties. Pkt. 5c., oz. 60c.



Adonis Vernalis

AGROSTEMMA

Showy flowers of various colors, borne freely; fine for beds. Hardy perennials. $1\frac{1}{2}$ ft.

Red. Pkt. 10c.

Mixed. Pkt. 5c., oz. 40c.

ALONSOA (Grandiflora)

Bright little annuals of fine habit; requires some protection in cold weather. Sow in hotbed, and plant out early in May. Pkt. 5c.

AMARANTHUS

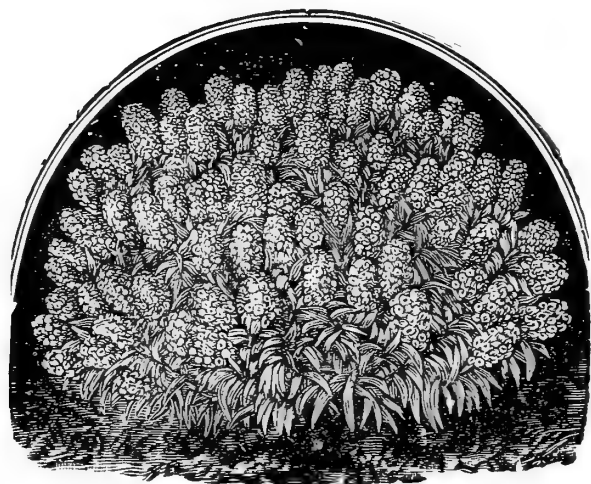
Fine ornamental leaved foliage plants, invaluable for bedding, their foliage running into scarlet, crimson, yellow, variegated, etc. Hardy annual.

Tricolor (Joseph's Coat). Pkt. 5c., oz. 30c.

" Mixed. Pkt. 5c., oz. 30c.

AMPELOPSIS VEITCHII (Boston or Japan Ivy)

Valuable, hardy and perennial climber, clinging to the walls of wood, brick or stone, foliage dense, of glossy green, changing to red and yellow in the Autumn. Pkt. 10c., oz. 30c.



Sweet Alyssum

ALYSSUM

These favorites are easily cultivated, either in the garden, window boxes, or vases, etc. Also well adapted for ribbon gardening. Hardy annuals.

Sweet Alyssum. White. 1 ft. Pkt. 5c., oz. 25c.

" " **Little Gem.** One of the finest plants for edging or ribbon work. Pkt. 5c., oz. 50c.

White Carpet (compactum procumbens). Pure white, grows only two or three inches high and flowers profusely. Pkt. 10c., oz. \$1.00

Saxatile Compacta. Hardy, dwarf, golden yellow. Pkt. 5c., oz. 60c.

ANEMONE

Very beautiful Spring flowers. Hardy perennials.

Chinensis. Fine mixed. 1 ft. Pkt. 5c.

St. Brigid. Large handsome flowers, mostly semi-double. Pkt. 10c.

Japonica Queen Charlotte. New cream rose, very fine. Pkt. 20c.

ARCTOTIS GRANDIS

Remarkably handsome new annual from Southwest Africa, growing luxuriantly in our climate and forming profusely branched bushes of about 2 to 2½ feet in height and breadth. Leaves are soft and whitish on both surfaces. Its flower heads, borne on long stems and rising well above the foliage, are large and showy, from 2½ to 3 inches across. Pkt. 10c



Asparagus Plumosus nanus

ANTIRRHINUM

This is a great favorite, of the easiest culture, unsurpassed for Summer or Fall flowering. Splendid for bedding and edgings. Hardy annual.

Queen Victoria. This splendid new snapdragon combines the elegant fine cut foliage characteristic of the improved varieties, with unusually large flowers of a brilliant white. A very handsome variety. Pkt. 15c.

Tall Grandiflorum, album. Pure white. Pkt. 10c,
" " Brilliant scarlet. Pkt. 10c.
" " Mixed. Pkt. 10c., oz. \$1.00

Tom Thumb. White Pkt. 5c.
" " Scarlet. Pkt. 5c.
" " Mixed. Pkt. 5c.



Anemone Japonica

AQUILEGIA (Columbine)

The Aquilegias are fine, free flowering, hardy border plants. No garden should be without them. Hardy perennials.

Double Mixed. Pkt 5c., oz. 50c.

Single Mixed. Pkt. 5c., oz. 50c.

ARISTOLOCHIA (Dutchman's Pipe)

A very attractive and highly ornamental climber, with flowers resembling the Pitcher plant. Hardy perennial.

Sipho. Pkt. 10c.

ASPERULA

Free bloomer and sweet scented. Chief ingredient of the Maitrank. Pkt. 10c.

ASPARAGUS, ORNAMENTAL

Plumosus nanus. A greenhouse perennial climber, with graceful and leathery lace-like foliage. Pkt. 15c., 100 seeds \$2 00.

Sprengeri. Pkt. 10c., 100 seeds \$1.00.

ASTERS (Callistephus)

These are among the prettiest annuals in their season, blooming profusely, and producing, in great profusion of color, flowers of the most perfect and beautiful form. Asters can be grown very nicely in pots for early blooming and also for early Winter use; half-hardy annuals.



Sample's Asters

ASTER HOHENZOLLERN

Superb new variety, with enormous flowers, fine for cutting and exhibiting.

- Hohenzollern.** Pure white. Pkt. 20c.
 " Rose. Pkt. 20c.
 " Dark blue. Pkt. 20c.
 " Crown Prince, brilliant carmine. Pkt. 25c.
 " Syringa blue; beautiful color. Pkt. 50c.
 " Splendid mixed. Pkt. 15c.

ASTER DWARF QUEEN

Beautiful early class, for pots, beds and borders.

- Dwarf Queen.** White; excellent. Pkt. 15c.
 " Brilliant rose; excellent. Pkt. 15c.
 " Crimson; excellent. Pkt. 15c.
 " Light blue; excellent. Pkt. 15c.
 " Dark blue; excellent. Pkt. 15c.
 " Splendid mixed; excellent. Pkt. 10c.

DAYBREAK ASTER

A most beautiful bushy, branching Aster, growing about 2 feet high, with large double flowers composed of incurved petals almost as regularly placed as in a Dahlia. The coloring is an exquisite tint of rosy shell pink, the flowers are borne upright on stiff, long stems, and the plants in bloom are charming beyond description, and for cutting purposes there is not a finer Aster grown. Pkt. 10., ¼ oz. \$1.00.

GIANT COMET ASTERS

Flowers of immense size, often 6 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double half globes. Each plant bears 15 to 20 flowers on very long stems, making them especially valuable for cutting.

- King Humbert.** Dark blue, light rose, white, mixed. Pkt. 10c., ¼ oz. \$1.00, oz. \$3.50.

TRUFFAUT'S PERFECTION ASTERS

A very popular class. Very large flowers, almost round, with incurved petals. 2 feet.

- White, fiery scarlet, rose, dark blue, mixed. Pkt. 10c., ¼ oz. 75c.

CHRYSANTHEMUM FLOWERED ASTER

Finest of all dwarf varieties. Flowers are produced in immense clusters of 20 to 30 to a plant, and are very full and double.

- White (height 10 inches), fiery scarlet, dark blue, mixed. Pkt. 10c., ¼ oz. 75c.

NEW DWARF COMET ASTER EMPRESS FREDERICK

A pure white Dwarf Comet Aster, flowers measuring 4 to 5 inches in diameter. For complete description see Novelties. Pkt. 25c., 5 pkts. \$1.00.

SEMPLE'S GIANT LATE-FLOWERING ASTERS

A handsome strain of late-flowering Asters. Superior to all other sorts of this class, lengthening the Aster season until frost. The flowers are very large, measuring 4 inches in diameter, of purest colors, and are borne on long stems. They begin to bloom in August.

Pure white, lavender, dark purple, shell pink, bright crimson, bright rose, carmine, mixed. Pkt. 10c., ½ oz. \$1.00, oz. \$2.00. Collection 6 varieties Semple's Aster, 50c.

QUEEN OF THE MARKET ASTER

Fully three weeks earlier in blooming than any other Asters. Flowers large and of fine form. Height 1½ ft.

White, crimson, dark blue, rose, light blue, lilac red, flesh color. Pkt. 5c., oz. \$1.00. Collection 7 varieties, 25c.

VICTORIA ASTERS

One of the handsomest varieties, both in size and color. They bloom profusely, and the colors include many extremely delicate and some bright colors.

White, fiery scarlet, dark blue, deep rose, mixed. Pkt. 10c., ¼ oz. 75c., oz. \$3.00.



Aster Queen of the Market

BALLOON VINE (*Cardiospermum*)

Remarkably rapid climber; very curious. Half-hardy annual.

Halicacabum. Pkt. 5c., oz. 20c.

BARTONIA AUREA (Golden Bartonia)

One of the showiest and brightest of garden flowers; large golden blossoms borne in great profusion all Summer. 1 ft. Pkt. 5c.

BALSAM (Lady's Slipper)

The well-known Balsam, or Lady's Slipper, are among the finest Summer-blooming annuals, free bloomers and highly colored. By transplanting them once the flowers are apt to be more double. Half-hardy annual. 2 ft.

Camellia-flower. White.....Pkt. 10c., oz. \$1.00
 " " Mixed....." 10c., " 1.00
 " " "....." 5c., " .50

BELLIS (Double Daisy)

The poet's favorite and one of the most charming Spring flowers. Hardy perennial. ½ foot.

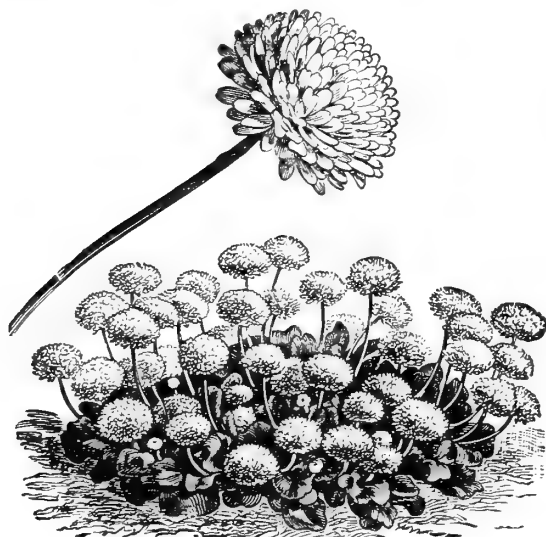
Large Flowering Red. Pkt. 25c.

Double Red Quilled. Pkt. 25c.

Longfellow. Large, double pink. Pkt. 10c.

Snowball. Largest double white. Pkt. 10c.

Double Mixed. Pkt. 10c.



Double Daisy

BEGONIA

For the greenhouse, parlor or garden. The graceful pendulous flowers of this beautiful class render them most desirable; but with added beauty in their glossy waxy foliage they are simply superb. They are of easy culture and exceedingly useful. Half-hardy perennials. 1 ft.

Tuberous Rooted. Single mixed. Pkt. 25c.

Tuberous Rooted. Double mixed. Pkt. 50c.

Vernon. Superb variety; flowers brilliant rich red, which are set off perfectly by the abundant glossy green leaves, broadly margined with bronze and purple. Extremely hardy and floriferous. Seed sown in Spring will produce blooming plants early in the Summer. Pkt. 10c.

Semperflorens alba. Pkt. 10c.

" **Rose.** Pkt. 10c.

" **Erfordii.** Rosy carmine, free bloomer, excellent for groups. Pkt. 25c.



Balsam

BRACHYCOME (Swan River Daisy)

A charming dwarf plant of easy culture, covered with a beautiful mass of Cineraria-like flowers. Half-hardy annual.

Iberidifolia. Blue and white. ½ ft. Pkt. 5c.

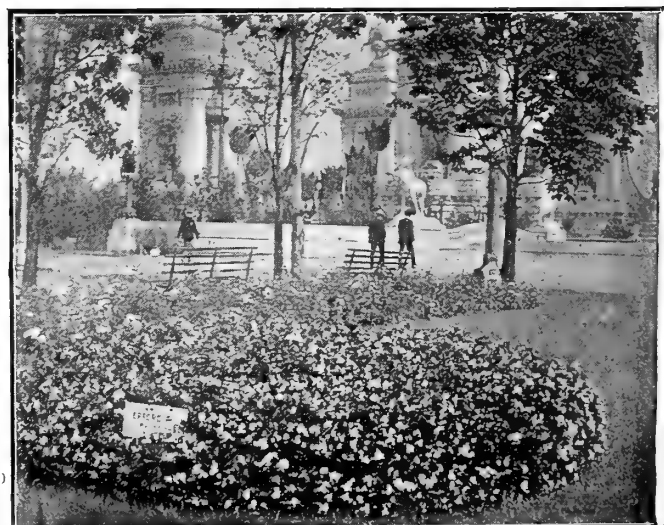
BROWALLIA

Handsome annuals, with blue or white flowers completely studding the bushy plants entire Summer. 1½ ft.

Nana Compacta. Blue. Dwarf and compact. Pkt. 10c.

Speciosa Major. Individual flowers are fully 1 inch across, of rich indigo blue. 1 ft. Bushy. Pkt. 10c.

Mixed Colors. Pkt. 5c.



Begonia Erfordii

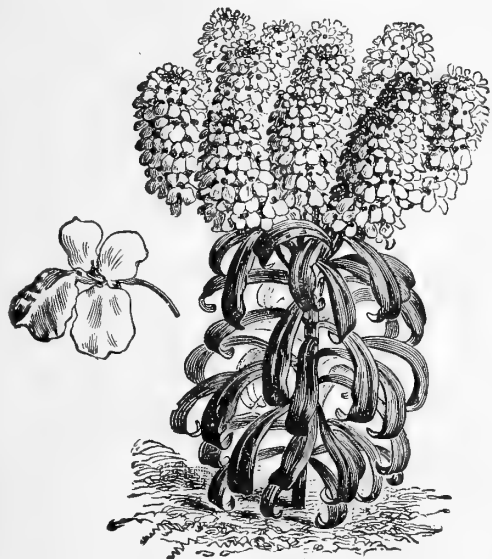
CALCEOLARIA

Magnificent greenhouse plants, with large pocket-shaped flowers, which are borne in the greatest profusion in the Spring. 1½ ft.

James' Giant Strain. Pkt. 50c.

Carter's Prize Strain. Pkt. 50c.

Rugosa. Shrubby, for bedding. Pkt. 50c.



Candytuft

CAMPANULA (Canterbury Bells)

An old garden favorite belonging to a class of plants known as hardy biennials. They are very ornamental, and should find a place in every garden.

ANNUAL VARIETIES

Macrostyla. Large violet flowers. Pkt. 10c.

" **Rosea.** Charming variety. Pkt. 10c.

BIENNIAL VARIETIES

Calycanthema. Blue. Pkt. 10c.

" White. Pkt. 10c.

" Rose. Pkt. 10c.

" Striped. Pkt. 10c.

" Splendid mixed. Pkt. 10c.



Campanula

CALENDULA (Pot Marigold)

Very showy, free-flowering plants; very effective in beds or mixed borders. Hardy annuals.

Meteor. Double yellow, striped with orange. Pkt. 5c., oz. 25c.

Prince of Orange. Similar to Meteor, but much darker. Pkt. 5c., oz. 25c.

Sulphurea, fl. pl. Per pkt. 5c., oz. 40c.

CALLIOPSIS (Coreopsis)

This genus embraces a very useful and brilliant class of hardy annuals. The flowers are of every shade of yellow, orange and reddish brown; useful for bed.

Drummond, or Golden Wave. Uniform orange yellow, extra fine. 1 ft. Pkt. 5c.

Tinctoria Marmorata. Marbled yellow and brown. 2 ft. Pkt. 5c., oz. 30c.

Coronata. Rich yellow, slightly spotted with red. Pkt. 5c.

Tall Mixed. Pkt. 5c.

Dwarf Mixed. Pkt. 5c.



Calendula Meteor

S. & W. Co.'s Prize Mixture. All classes and colors, single and double mixed. Pkt. 25c.

HARDY OR PERENNIAL VARIETIES

Carpatica. Blue or white, for groups. Pkt. 10c.

Macrantha. Blue, large-flowered. Pkt. 10c.

Persicifolia Grandiflora. Blue or white; superb. Pkt. 25c.

" White (Backhousei). Pkt. 25c.

" **Fairy Queen.** Azure blue. Pkt. 25c.

" Double (Pfitzerii) blue, Pkt. \$1.00.

" " (Moerheimii) white, Pkt. \$1.00.

Pyramidalis. Blue or white. Pkt. 10c.



Calliopsis

(Coreopsis)

CANARY BIRD FLOWER (Tropaeolum)

A rapid-growing Summer climbing annual, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 5c., oz. 50c.

CANDYTUFT (Iberis)

The Candytuft is almost as fragrant as the Sweet Alyssum and very popular. Very useful as a bedding plant or for border work. Hardy annual. 1 ft.

White Rocket. Pkt. 5c., oz. 25c.

Lilac. Pkt. 5c., oz. 25c.

Purple. Pkt. 5c., oz. 25c.

Crimson or Mixed. Pkt. 5c., oz. 25c.

Empress. Produces large trusses of pyramidal-shaped flowers, very effective. Pkt. 5c., oz. 50c.

Mixed Annual. Pkt. 5c., oz. 25c.

CANNA (Indian Shot)

Cannas are particularly suitable for forming groups on lawn or backgrounds for dwarf-growing plants, for which purpose they are now largely used. Seeds sown in a hotbed or greenhouse from January to April will produce flowering plants in July. Half-hardy perennial.

Tall Varieties. Mixed. Pkt. 10c., oz. 20c.

Dwarf. Large flowering varieties, extra fine. Pkt. 10c., oz. 75c.

CARNATION (Dianthus)

These well-known favorites are highly prized for the delicious perfume of their flowers, grown in pots or in the open ground. No flowers can be finer or more worthy of cultivation. The Marguerite Carnation will bloom in four months from the time of sowing. The flowers are of magnificent colors, ranging through many shades of pink, red, white and variegated. Hardy perennials.

Earliest French Chabaud Carnation. New hardy class, combining the perfection of flowers of the perpetuals with the earliness of Marguerite Carnations, blooming seven months after being sown. Pkt. 25c.

Benary's Non Plus Ultra Border Carnation. Finest mixed. Saved from flowers of finest quality only. Pkt. 25c.



Ricinus Sanguineus



Marguerite Carnation

Perpetual, or Tree. Upright growth and branching habit, flowering several times during the season. 2 ft. Pkt. 10c.

Early Dwarf Vienna. Flowers very early; extra fine. Pkt. 10c.

GIANT MARGUERITE

Without exception these are the most abundant bloomers of all the Carnation Pinks. Flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc. Perfect form, large size. Sown in Spring, commence flowering in early Summer, and continue to bloom in lavish profusion until checked by frost.

Finest Mixed. Pkt. 10c., ¼ oz. \$1.00, oz. \$3.00.

CASTOR OIL PLANT (Ricinus)

The Ricinus are tall, stately-growing plants of tropical appearance; their luxuriant foliage renders them exceedingly ornamental. They are free-growing, tender annuals of easy cultivation. Half-hardy annuals.

	Pkt.
Africanus. Very large green foliage	\$0 05
Zanzibarensis. New Giant Castor Oil Plant from Africa	10
Borboniensis arboreus. Large and handsome green foliage. 15 ft.	05
Communis (Castor Oil Plant). Green foliage. 6 ft.	05
Gibsonii. Dark, purplish red foliage. 6 ft.	05
Cambodgensis. Leaves bronzy maroon, with red veins, stems black.	05
Duchess of Edinburgh. Dark red foliage. 6 ft.	05
Gibsonii Mirabilis. Dwarf, compact, very fine.	05
Sanguineus. Tricolor, red spotted, fruit in clusters, red foliage. 10 ft.	05
Mixed	Lb. \$1.00, oz. 15c. 05



Centaurea Cyanus

CENTAUREA

Showy, free-flowering, silver foliage plants, useful for ribbon gardening. 1½ ft. Half hardy perennials.

Candidissima. Very desirable silvery variety for bedding. Pkt. 10c.

Gymnocarpa. A graceful, silvery variety, valuable for borders. Pkt. 10c., oz. 75c.

CENTAUREA ODORATA (Sweet Scented)

	Pkt.
Margaritae. Pure white.....	\$0 10
Light Blue	10
Chameleon. Red and yellow.....	10

CENTAUREA IMPERIALIS

The Grand Flowering. Corn flower. Pkt. 10c.

Imperialis. White, deep lavender, deep rose, deep purple, deep lilac or mixed. Pkt. 10c., ½ oz. 50c. oz. \$1.00.

CENTAUREA SUAVEOLENS

Yellow Sweet Sultan. Pkt. 5c.

CENTAUREA CYANUS—Corn Flower

(Ragged Sailor or Blue Bottle)

A very popular and easily cultivated flower. Hardy annual.

Emperor William. Blue. Pkt. 5c.

Victoria. A charming, diminutive variety, forms little bushes. Only 8 inches high; pretty for edgings or pots; mixed colors. Pkt. 10c.

Finest Mixed. Pkt. 5c., oz. 25c.

Double Mixed. Pkt. 10c.

CENTAUREA MOSCHATA

Sweet Sultan. The old garden favorite; blue, white or mixed. Pkt. 5c.

CENTRANTHUS

Very pretty free-flowering annuals, suitable for rockeries and vases.

Mixed colors. Pkt. 5c.

CINERARIA

Magnificent and indispensable flowering plants for spring decoration for the conservatory or window garden. The flowers, measuring 2 to 3 inches across, are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom.

		Pkt.
S. & W. Co's Giant Strain. Mixed.....		\$0 50
Hybrida Grandiflora Mixed.....		50
" " White.....		50
" " Flesh variety		50
" " Rich crimson		50
" " Rose variety		50
" " New blood red		50

Collection of 1 packet each, 6 varieties, \$2.50.

The preceding very large-flowered strains are unsurpassed for richness of color and perfection of form.

CLARKIA

The Clarkia is a favorite, very pretty, free-flowering and of easy cultivation. Useful for hanging baskets. Hardy annuals. 1¼ ft.

Elegans Mixed. Pkt. 5c., oz. 30c.

CLEMATIS (Virgin's Bower)

Beautiful ornamental plants, fine for covering trellises or making a screen. Seeds vegetate only after an interval of several months, when they will grow with tolerable certainty. Hardy perennial.

Jackmanni Varieties. Seed saved from best named varieties. Pkt. 10c.

COBAEA

A fine quick-growing, climbing plant, bearing large bell-shaped flowers. Hardy annual.

Scandens. Deep violet. Pkt. 10c., oz. \$1.00.
" Alba, white. Pkt. 10c.



Cineraria Hybrida Grandiflora



Giant Fancy Cosmos

COCKSCOMB (Celosia Cristata)

Very popular annuals of the easiest culture, producing large ornamental, comb-like heads; not only are they highly prized for summer flower beds, but they make fine pot plants.

Glasgow Prize. Very dwarf, immense crimson combs. 1 ft. Pkt. 5c.

Dwarf Mixed. Many colors. 1 ft. Pkt. 5c.

Feathered or Ostrich Plumed Cockscombs (Celosia Plumosa). Handsome pyramidal branching plants, 2 to 3 ft. high, producing at the summit of each branch long feathery plumes of very graceful effect.

Crimson Ostrich Plumed. Pkt. 10c.

Yellow " " Pkt. 10c.

Mixed " " Pkt. 10c.

Celosia Thompsonii Magnifica (Improved feathered cockscombs). These are wonderful plants, both for the open ground and pots, and rank among our best market plants. One of the most valuable of late introduction.

T. M. Splendid Mixed. Pkt. 25c.

" **Golden Yellow.** Pkt. 25c.

" **Crimson.** Pkt. 25c.

COLEUS

One of the most popular ornamental foliage plants; very decorative and easily grown from seed.

Exhibition Mixed. Pkt. 20c.

Coreopsis. Hardy blooming plants, for bedding and borders.

Harvest Moon. Pkt. 10c., oz. 50c.

Large Flowering Yellow. Pkt. 10c., oz. 50c.

CIGAR PLANT (Cuphea)

With cigar-like shaped flowers, very useful for bedding; free bloomer. Half hardy perennial.

Platycentra. Scarlet and white. Pkt. 10c.

COSMOS

Mammoth Perfection. The flowers are double the size of the old Cosmos; the petals are broader, forming a perfectly round flower. The long stems and feathery foliage lend themselves to graceful arrangements for bouquets. These plants enliven the garden long after more tender plants have succumbed to early frost.

Mammoth White..... Pkt. 10c.

" **Pink**..... " 10c.

" **Deep Crimson**..... " 10c.

" **Mixed**..... Oz. \$1.00 " 10c.

" **Red**..... " 10c.

Cosmos Pink Pearl Oz. 50c. " 5c.

" **White** " " 50c. " 5c.

" **Choice Mixed**..... " 50c. " 5c.

Giant Rainbow Cosmos. A beautiful new departure in Cosmos. Pink, cream, blush, crimson, red, white, etc., which are again striped, dotted, suffused, zoned, etc., with other exquisite shades and colors. The flowers are very large, and often with frilled and fringed edges. Pkt. 15c., 500 seeds 50c.

Early Flowering Cosmos. This variety comes into flower in July, and continues a mass of bloom until cut down by severe frost, making their successful cultivation possible in the most northerly States and Canada; it is of dwarf, compact growth, growing only 4½ feet high. The flowers are fully as large as in the old type. Mixed. Pkt. 10c., 500 seeds 50c.

Giant Fancy Cosmos. This strain of Cosmos was raised by a specialist and is a very large flowering variety. Giant Fancy, white, pink, red or mixed. Pkt. 10c., 500 seeds 25c.

COWSLIP

The well-known favorite English Cowslip (Primula Veris), hardy, flowering in early spring. ¾ foot high. Mixed colors. Pkt. 5c.



Giant Flowering Cyclamen

CYCLAMEN, GIANT PERSIAN

Flowers of extraordinary size and of great substance. The leaves are proportionately large and beautifully marked. These are among the most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

Cyclamen, Giant Flowering.		Pkt.	100 Seed
White. With red eye.....	25c.	\$1.50	
Pure White	25c.	\$1.00	
Purple King. (Dark red.).....	25c.	\$1.50	
Rubrum. Red, ery fine.....	25c.	\$1.50	
Roseum. Superb rose.....	25c.	\$1.00	
Salmoneum. New salmon, fine.....	50c.	\$3.00	
Margaret. Snowy white with silky lilac eye.....	50c.	—	
Peach Blossom	25c.	\$1.50	
Finest Mixed	25c.	\$1.00	
Papilio, New Butterfly Cyclamen.			
True Belgian Varieties. With large and beautifully fringed flowers.....			
White. With red, light rose, rose with red, dark red, violet, white or mixed	50c.	\$3.00	

CYPRESS VINE. (Ipomoea Quamoclit)

The most popular of annual climbing plants, with delicate fern-like foliage. Half hardy annual.

	Oz.	Pkt.		Oz.	Pkt.
Crimson.....	30c.	5c.	Rose.....	30c.	5c.
White.....	30c.	5c.	Mixed.....	30c.	5c.

CONVOLVULUS

(Morning Glory)

These well-known favorites ought to be in every garden. Nothing can be finer for color than a bed of these.

Dwarf Bedding Variety. Mixed. Pkt. 5c. oz. 20c.

Tall or Climbing Variety. Mixed. Pkt. 5c., oz. 20c.

Giant Imperial Japanese Morning Glories

A magnificent advance on the old-fashioned Morning Glories. The enormous flowers, exquisite colors and beautiful foliage make them, without doubt, the most beautiful climbers in existence.

Japanese Mixed. Pkt. 10c., oz. 25c., ¼ lb. 50c.

Fancy Mixed. Pkt. 10c., oz. 50c., ¼ lb. \$1.50.

DAHLIA

The seed we offer has been saved from a superb collection of the finest named varieties. Half-hardy perennial.

Double Mixed. Pkt. 10c.

Single Mixed. Pkt. 10c.

Dahlia, 20th Century Novelty. Pkt. 25c.

HYACINTH BEAN

Giant Crimson. Pkt. 10c., oz. 50c.

Purple, White, or Mixed. Pkt. 5c., oz. 25c.

DIANTHUS, or PINKS

(Double Annual Varieties)

The family of Pinks is unrivalled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming profusely until fall, rendering them most satisfactory for summer flower gardens.

Chinensis, fl. pl. Mixed colors. Double China or Indian Pink. Pkt. 5c.

Heddwigii, fl. pl. Mixed colors. Double Japan Pink, large flowers of many rich and varied colors. Pkt. 10c., oz. 50c.

Double Diadem Pink. Mixed colors. (Diadematus fl. pl.) Splendid double flowers of many colors, edged and marbled. Pkt. 10c., oz. \$1.00.

S. & W. CO.'S SPECIAL MIXTURE OF ANNUAL SORTS

A grand collection of these ever popular garden or China pinks. All large flowering varieties, unrivalled for brilliancy and rich variety of color, and bloom in perfect succession during the whole summer and autumn in such numbers as fairly crowd each other for room. Mixed colors. Pkt. 10c., oz. \$1.00.

HARDY DIANTHUS PINKS

These form low, bushy, tufted plants, above which are produced on long stems the beautiful fringed and fragrant flowers so valued in "old-fashioned" gardens. For permanent beds and borders these pinks are unrivalled.

Plumarius. Double mixed. Double-fringed fragrant flowers of white, crimson or purple shades, spotted and variegated. 12 inches high. Pkt. 10c.

Plumarius. Single mixed. Large single fragrant flowers of beautiful colors and finely fringed. Pkt. 5c.



Scotch Border Pinks

Scotch or Florists' Pinks. They are excellent perennial garden plants, about one foot high when in bloom; they are vigorous, very hardy, and flower profusely during Spring and early Summer; the flowers are very large, very double, beautifully fringed and emit a grateful clover-like perfume. Mixed colors. Pkt. 25c.

DELPHINIUM (Perennial Larkspur)

Magnificent border plants, with gorgeous spikes of bloom, varying in shades from the most delicate white to the richest blue. Hardy perennial.

Barlowii. Large dark blue flowers; extra fine. Pkt. 25c.

Cardinale. Scarlet; splendid. Pkt. 25c.

Formosum. Rich dark blue, white center. Pkt. 10c.

Formosum coelistinum. Light blue flowers. Pkt. 20c.

Hybridum flore pleno. Finest double mixed from our very rich collection. Pkt. 25c.

Zalil. Flowers of pure sulphur-yellow, branching habit. 4 feet. Pkt. 20c.

DIGITALIS (Foxglove)

Handsome ornamental plants, of stately growth and varied color. Very showy for backgrounds and borders. Hardy perennials. 5 ft.

Purpurea. Rose, white or mixed. Pkt. 5c.

Monstrosa. Mixed. Long spike of many flowers, surmounted with one enormous flower. Pkt. 10c.

DRACAENA

Ornamental greenhouse plants, with elegant leaves; very rich and desirable.

Indivisa Lineata. Pkt. 10c.

ECHINO CYSTIS (Lobata, Climbing Wild Cucumber)

A rapid, luxuriant-growing annual climber, very useful for quick effects. 30 to 50 ft. Pkt. 5c.

ESCHSCHOLTZIA (California Poppy)

Profuse blooming plants, of extremely rich and varied color; fine for beds or rockeries. Hardy annual. 1 ft.

Golden West. Beautiful. Pkt. 10c.

Rose Queen. Pkt. 10c. **Carminia.** Pkt. 10c.

ECHEVERIA

Interesting greenhouse succulents, which are used largely for carpet bedding.

Metallica. Pkt. 25c.

FERNS

Greenhouse varieties, mixed. Graceful conservatory or window plants. 6 in. to 2 ft. Pkt. 10c.

FORGET-ME-NOT (Myosotis)

All the varieties of these popular plants are very beautiful and general favorites with all; they succeed best in a moist situation. Half-hardy perennial. 1½ feet.

Alpestris. Blue. Pkt. 5c.

Alpestris, Victoria. Very large flowers. Pkt. 10c.

Sylvatica. Pale blue. Pkt. 10c.



Myosotis Alpestris

Forget-me-not—(Continued.)

Robusta Grandiflora (Eliza Fanrobert). Large-flowering double blooms, remarkably fine. Pkt. 10c.

Palustris. True marsh variety. Pkt. 10c.

Finest Mixed. Pkt. 5c.

FOUR O'CLOCKS (Mirabilis)

Well-known free-flowering plants. Called Four O'clocks because they open their blossoms at that hour in the afternoon; also called Marvel of Peru. Hardy annuals. 2 ft.

Fine Mixed. Pkt. 5c., oz. 20c.

FUCHSIA

Choice double and single of this well-known elegant tender pot plant. Mixed colors. Pkt. 25c.

GAILLARDIA

A striking-looking class of plants, presenting quite a diversity of color; fine for bedding. Half-hardy perennials. 2 ft.

Picta Lorenziana. Double orange and yellow flowers, mixed colors. Pkt. 5c., oz. 50c.



Gaillardia Picta Lorenziana



Codetia

GAILLARDIA

- Mixed.** Pkt. 5c., oz. 40c.
Amblyodon. Rich blood red, single. Pkt. 5c.
Alba Rosea. Rich red and white, single. Pkt. 5c.
Aurea. Rich yellow, single. Pkt. 5c.
Sulphurea. Rich yellow, double. Pkt. 5c.
Rubra. Rich red, double. Pkt. 5c.
 Large flowering hardy, mixed, double. Pkt. 5c., oz. 50c.

HARDY VARIETIES

- Grandiflora.** Mixed. Pkt. 10c., oz. 50c.
Semi-plena. Mixed. Pkt. 25c., oz. \$2.00.

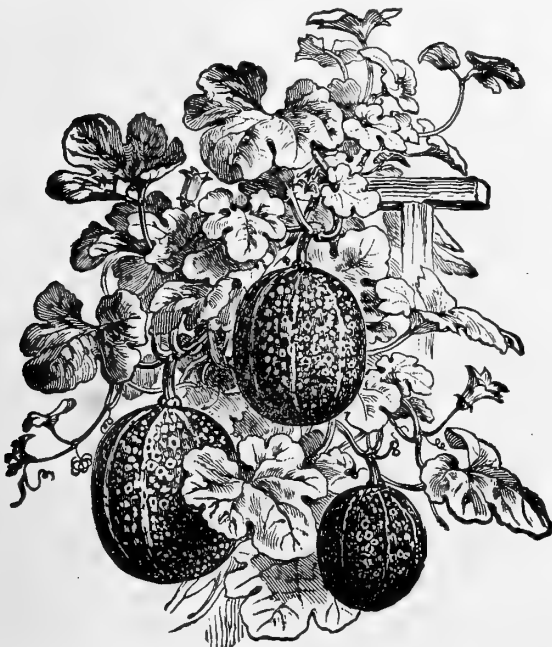
GERANIUM

Gorgeous shades of color, borne continuously, render this the most popular plant grown, either for pot culture in Winter or for bedding out in Summer. Sown early they flower the first season. 1½ feet.

Finest Varieties. Mixed. Pkt. 25c.

GLOBE AMARANTH (Batchelor's Button)

Remarkably handsome everlasting. Hardy annuals. 1 ft. Mixed. Pkt. 5c.



Ornamental Gourds

GLOXINIA

Most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion and of the most exquisite and gorgeous colors, many of which are magnificently mottled and spotted. Mixed colors. Pkt. 25c.

GODETIA

Profuse blooming annuals of beautiful colors. Fine for bedding or pot culture. Hardy annuals. 1 ft.

Sunset. Excellent variety. Pkt. 10c.

Mixed. Pkt. 5c.

GOURDS

A vigorous class of plants, with curiously formed and often strangely colored fruits. The foliage is abundant, often curious. They are very useful for covering old trees, fences, arbors, etc. Tender annuals.

Mock Orange. Pkt. 5c.

Apple-shaped. Pkt. 5c.

Dish Cloth, or Chinese Luffa. Pkt. 5c.

Dipper Gourds. Pkt. 5c.

Mixed. All sorts. Pkt. 5c.

Hercules' Club. Pkt. 5c.

GREVILLEA ROBUSTA

Silk Oak. Very graceful foliage; highly valued as a decorative plant for the table, and when large for tropical lawn effects. 3 to 5 feet. Pkt. 10c.



Helichrysum

GYPSOPHILA

Pretty, free-flowering little plant. Will do well in any garden soil. The flowers are valuable for bouquet making, either fresh or dried. Hardy annuals.

Paniculata. A very graceful plant, with beautiful white flowers; fine for table bouquets. 1½ ft. Pkt. 5c.

Acutifolias. Rose. Pkt. 10c.

Repens. White, dwarf for rock work. Pkt. 10c.

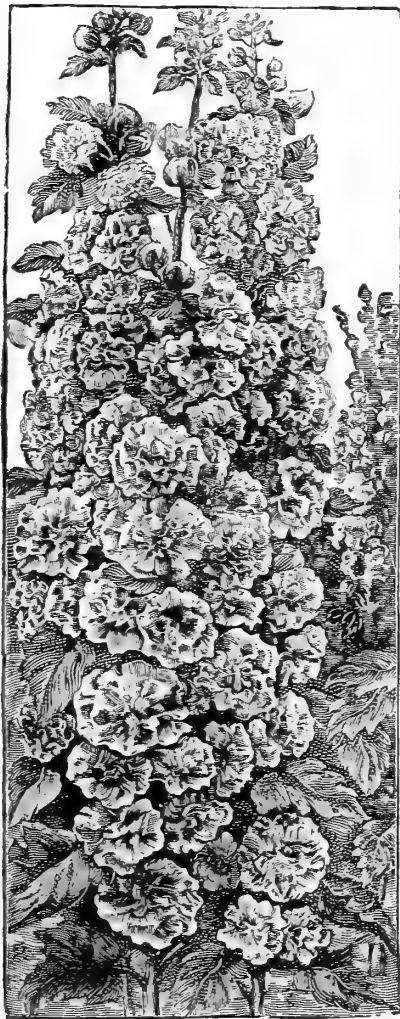
HELICHRYSUM

Very showy summer-blooming annuals, of free growth and producing in abundance; flowers large, full and double, in shades of white, yellow, and crimson, etc., not only very handsome as garden plants, but valuable as an "everlasting" for winter bouquets. Hardy annuals. 1 to 2 ft.

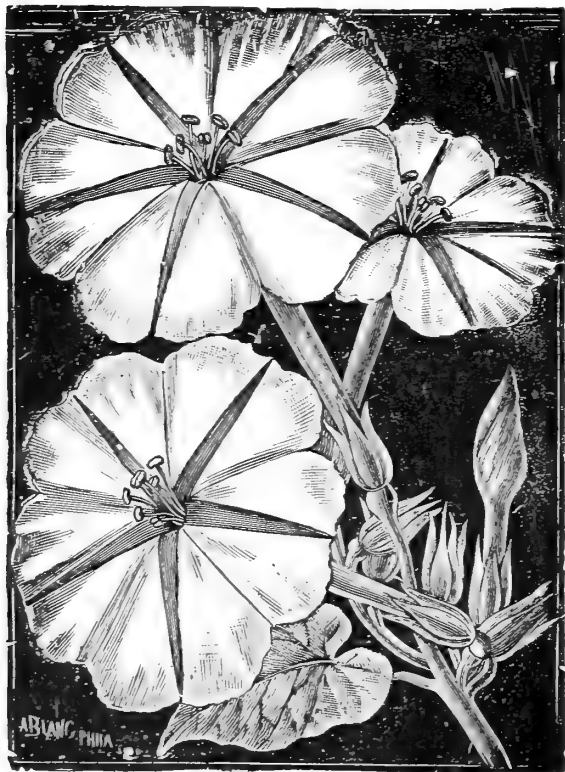
Double Mixed, Large Flowering. Pkt. 5c.

HEUCHERA

Sanguinea Splendens. Beautiful hardy perennials. The foliage is evergreen, flowers fiery coral, shading to brilliant crimson. Borne on graceful spikes. A charming cut flower. Pkt. 10c.



Double Hollyhocks



Ipomoea Bona Nox

HELIOTROPE

Deliciously fragrant flowering plants; growing about one to two feet high; great favorites for pot culture in the Winter or bedding out in the Summer. Large umbels of lilac or white flowers are continuously borne. Half hardy perennial. 1½ feet.

Finest Mixed. Pkt. 5c.

Lemoine's Mixed. Pkt. 10c.

HOLLYHOCKS (Althaea)

Magnificent Summer and Autumn flowering plants, bearing long spikes of large double flowers, 3 to 4 inches in diameter. If seeds are sown in June or July will produce plants for blooming the following Summer. Hardy perennial. 4 ft.

Double Mixed. Pkt. 5c.

Charters, Finest Mixed. Taken from a collection of named varieties, beautiful colors and all double. Pkt. 10c.

S. & W. Co.'s Superb Double. White, scarlet, purple, dark rose, yellow, or mixed. Pkt. 10c., ½ oz. 50c.

Allegheny. Mixed. Pkt. 10c.

Double Annual. Mixed. Pkt. 20c.

Single Annual. Mixed. Pkt. 10c.

HUMULUS JAPONICUS (Japan Hop)

Rapid Summer climber, in three or four weeks' time attaining a height of 20 to 30 ft., resembling the common hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it. Pkt. 5c.



Japan Hop (Humulus)

ICE PLANT (Mesembryanthemum)

Very singular, dwarf trailing plants, much used for garnishing; beautiful and curious. Tender annual. 1 ft.

Crystallinum. White. Pkt. 5c.

IMPATIENS SULTANA

One of the most beautiful of decorative plants. It thrives in stove, greenhouse and open border during the Summer. The flowers are of a brilliant rosy scarlet, 1½ inches in diameter.

Mixed. Pkt. 10c.

IPOMOEA (Moonflower, Dawn Flower, etc.)

Beautiful, free-blooming plants, fine for outdoor or greenhouse decorations. The seeds should be soaked two to three hours before planting. Tender annual.

Bona Nox. Large blue flowers. Pkt. 10c.

Grandiflora Mexicana Alba. (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows rapidly and will cover a large surface. Pkt. 10c., oz. 75c.

Hederacea Grandiflora Superba. Pkt. 10c.

" Sky blue, white margined, Pkt. 10c.



Hardy Lobelia

KUDZU VINE

The quickest growing vine known, making 25 feet in one season. Pkt. 10c., oz. 40c.

LANTANA

Rapid-growing plants, forming small bushy shrubs exceedingly free in bloom. Mixed. Pkt. 5c.

LARKSPUR (See also Delphinium)

Lustrous Carmine. Newport scarlet. Pkt. 20c., oz. \$1.50.

Rosy Scarlet. Extra fine. Pkt. 20c., oz. \$1.50.

Dwarf Rocket. Mixed. Pkt. 5c., oz. 30c.

Tall " " Pkt. 5c., oz. 40c.

LATHYRUS LATIFOLIUS (Hardy Everlasting Pea)

Hardy climbers, growing 6 to 8 ft. high when trained on a trellis; the flowers are borne in large clusters. They are peculiarly adapted to rough places, to scramble over rocks and bushes; splendid cut flower.

Lathyrus Latifolius. White. Pkt. 10c.

" " **Delicata.** Rosy flesh color. Pkt. 10c.

" " Mixed colors. Pkt. 5c.

" " Red. Pkt. 5c.

LOBELIA

COMPACTA VARIETIES

Little, round, compact plants, 4 to 6 in. high, forming little mounds of bloom, splendid for edging, beds and ribbon-gardening and fine for pots.

Emperor William. Light blue, compact, very fine. Pkt. 10c.

Pumila splendens. Dark blue, with clear white eye. Pkt. 10c.

Pumila alba. Pure white. Pkt. 10c.

" Magenta red, with white eye; distinct and fine. Pkt. 10c.

Crystal Palace Compacta. Dark blue; a popular bedder. Pkt. 10c.

ERINUS VARIETIES

They produce trailing branches, 6 to 9 in. long. Indispensable for hanging over vases and baskets or garden beds, bearing continuously flowers of charming blue, white or rose shades.

Speciosa. Dark blue, dark foliage; extra fine. Pkt. 5c.

Barnard's Perpetual. Deep blue, with white eye. Pkt. 10c.

Lindleyana. Rose. Pkt. 10c.

Prima Donna. Velvety maroon. Pkt. 10c.

Alba. Pure white. Pkt. 10c.

HARDY LOBELIAS

Tall-growing, hardy perennials with long spikes of brilliant flowers; for permanent beds and borders they are unrivalled; they are one of the few flowering plants that thrive in shady situations. 2 to 4 ft. The most brilliant plants in cultivation.

Cardinalis (Cardinal Flower). Long spikes of intense scarlet flowers. Pkt. 25c.

LUPINUS

These are a very interesting class of plants and of easy culture, producing beautiful leaves and pea-shaped flowers, and should be more generally cultivated. Hardy annuals. 2½ ft.

Extra Fine Mixed. Pkt. 5c., oz. 10c.

LYCHNIS

Chalcedonica. Usually grown as annuals; of dwarf bushy habit, bearing flowers an inch or more across in continuous succession until frost; the color is a particularly pleasing and effective rich scarlet. 1 foot. Pkt. 10c.

Lychnis Lagascae. Rose, dwarfest, early charming, for pots. Pkt. 25c.



Lathyrus Latifolius

MARIGOLD (Tagetes)

Among the Marigolds, the African is the most striking in large beds, while the other Tagetes varieties are admirably adapted for small beds. They are free-blooming plants of easy cultivation. Hardy annual.

AFRICAN TALL MARIGOLDS

Double Mixed	oz. 50c., pkt. 5c.
Orange Yellow	" 5c.
Light Yellow	" 5c.
Orange quilled	" 5c.
Lemon quilled	" 5c.

FRENCH MARIGOLDS, DWARF

Finest French Mixed. Tall varieties.....	pkt. 5c.
Legion of Honor. Dwarf compact, about 15 inches high, with dark green, fern-like leaves, and bright, golden, star-like flowers distributed over the surface. The blooms are of rich golden yellow, with the center of each petal marked broadly with velvety crimson-brown.....	pkt. 10c.
Lutea. Pure yellow, very double.....	" 5c.
Silver King	" 10c.
Dwarf Mixed	" 5c.

SINGLE MARIGOLD

Little Brownie. Charming, forming compact little bushes only 5 to 6 inches high. It is remarkable for blossoming extremely early and in prodigious abundance, commencing in June. The flowers are vividly colored golden yellow, marked with a large spot of crimson velvet. Pkt. 5c.

MATHIOLA BICORNIS
(“Night Scented Stock”)

An annual garden plant grown for its delicious perfume, which is emitted in the evening and morning, also after a shower. 1 ft. Pkt. 10c.



Mignonette



Tall Double African Marigold

MAURANDYA

These beautiful climbers cannot be too highly recommended, whether for conservatory, greenhouse or for trailing on trellis work. Tender annuals.

Barclayana, Mixed. Pkt. 5c.

MIGNONETTE (Reseda)

Well-known sweet-scented little plants, everywhere at home, either in the greenhouse, garden or sitting-room. Hardy annual.

Allen's Defiance Mignonette. This gorgeous Mignonette has qualities heretofore unknown in large-flowering varieties, being deliciously fragrant. When grown under favorable conditions and with proper care, its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size and stand out boldly, forming a graceful as well as compact spike. Its remarkable strength is accompanied by extraordinary keeping qualities; the spikes have been kept in a vase three weeks after cutting, retaining their grace and fragrance until every bud opened. Pkt. 10c., oz. \$2.00.

Improved Large Flowering. Pkt. 5c., oz. 25c.

Golden Queen. Yellow-tinted flowers. Pkt. 10c., oz. 50c.

Miles' Spiral. Very fine. Pkt. 5c., oz. 60c.

Machet. A dwarf French variety, with broad spikes of very fragrant red flowers; one of the best varieties for either garden or pot culture. Pkt. 10c., oz. \$1.00.

Machet Ruby. A fine new Machet Mignonette with coppery-scarlet flowers. Pkt. 10c., oz. \$2.00.

Machet Bismarck. A new imported variety. Pkt. 10c.

Odorata Maxima Goliath. Bears very large flowers, the center spikes being often 8 inches long. The plant grows in candelabra form and produces fiery red flowers on firm upright stalks. Pkt. 10c., oz. \$2.00.

Parsons' White. Nearly white. Pkt. 5c., oz. 75c.



Musa Ensete

MIMOSA (Sensitive Plant)

A very curious plant. The leaves instantly close up when touched. Tender annual.

Pudica. Pkt. 5c.

MIMULUS

The Mimulus are beautiful, tender-looking plants, with almost transparent branches. They luxuriate in damp, shady situations; musk-scented. Tender annual. 1 foot.

Moschatus (Musk Plant). Pkt. 10c.

Splendid Mixed. Pkt. 5c.

MOMORDICA (Balsam Apple and Balsam Pear).

Luxuriant annual climbers, with large leaves, making dense shade. The flowers are followed by ornamental, large fruits of orange or copper color, which burst and expose an interior of red, which is highly effective. 15 to 20 feet.

Balsamina (Balsam Apple). Orange fruits. Pkt 5c., oz. 30c.

Charantia (Balsam Pear). Coppery scarlet-colored fruits. Pkt. 5c., oz. 30c.



Mimulus

MOONFLOWER (See Ipomoea).

MORNING GLORY (See Convolvulus).

MUSA ENESE (Abyssinian Banana Tree)

A foliage plant of magnificent proportions; for sub-tropical massing or as single specimens they are strikingly effective. Seeds sown early in the House will produce plants 10 to 15 feet high the first season. Pkt. 25c.

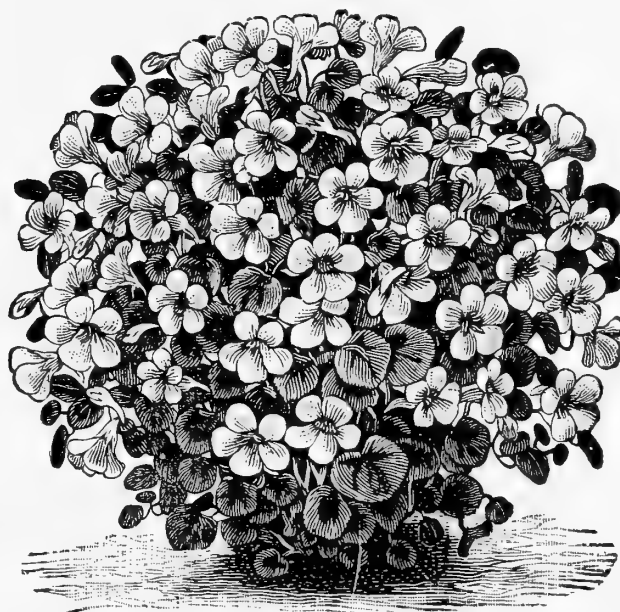
MUSK PLANT (See Mimulus).

MYOSOTIS (See Forget-Me-Not).

NASTURTIUMS

TOM THUMB VARIETIES

The dwarf Nasturtiums will always be general favorites, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely, especially in a poor, rocky soil.



Tom Thumb Nasturtiums

	Oz.	Pkt.
Aurora. Salmon Rose	\$0 15	\$0 05
Beauty. Light scarlet, splashed canary..	15	05
Brilliant. Rich Scarlet.....	15	05
Chameleon. Splashed crimson, bronze and yellow.....	20	05
Crystal Palace Gem. Sulphur spotted Maroon	15	05
Empress of India. Brilliant crimson; dark foliage.....	20	05
King Theodore. Scarlet-maroon; dark foliage	15	05
King of Tom Thumb. Crimson.....	15	05
Lady Bird. Orange yellow; red spots...	15	05
Luteum. Light yellow; no blotches.....	15	05
Pearl. Pure white.....	15	05
Crimson	15	05
Ruby King. Light ruby-red.....	15	05
Mixed. Finest variety.....lb. \$1.00	15	05
Imported collection of one pkt. each of 12 of these varieties		50
Imported collection of one pkt. each of 6 of these varieties		25

TALL OR CLIMBING VARIETIES

Beautiful and luxuriant annual climbers for trellises, arbors or vases, bearing their gorgeous flowers in profusion until killed by frost.

	Oz.	Pkt.
Chameleon. Splashed crimson, bronze and yellow.....	\$0 20	\$0 05
Dunnett's Orange. Rich, golden orange, garnet blotches	15	05
Yellow	15	05
King Theodore. Velvety dark crimson, dark foliage.....	15	05
Pearl. Cream white.....	15	05
Prinz Heinrich. New, cream color, spotted red	15	05
Schulzi. Scarlet	15	05
Von Moltke. Bluish rose	15	05
Dark Crimson	15	05
Sunlight.....Per 4 oz. 75c.	25	10
Moonlight" 75c.	25	10
Jupiter	" \$1.20	35 10
California Giants Mixed... " 75c.	25	10
Finest Tall Mixed" 25c.	10	05

Imported collection of 6 varieties 25c., 12 varieties 50c.



Nemophila

NEMOPHILA

Splendid annuals for garden decoration; bright colored flowers, in shades of blue, white and violet. 1 foot.

Finest Mixed. Pkt. 5c.

NICOTIANA

Affinis. An annual with sweet-scented, pure white star-shaped flowers, 3 inches across, blooming continually. 2 to 3 feet high. Pkt. 5c.

Giant Red Flowered. Magnificent annual of tropical effect, large luxuriant leaves and immense clusters of rich crimson flowers. 5 feet. Pkt. 5c.



Climbing Nasturtiums

NIGELLA, or "LOVE-IN-A-MIST"

Damascena, Double Mixed. Pretty garden annuals with feathery green foliage, in which large, double, charming blue or white flowers are set. 1 to 2 ft. high. Pkt. 5c.

OXALIS

Pretty little half-trailing annuals, for hanging baskets, vases, rockwork and edgings, flowering in profusion, 6 to 9 inches.

Floribunda Alba, fine for edgings. Pkt. 10c.

Floribunda Rosea, fine for edgings. Pkt. 10c.

Fine Mixed. Pkt. 5c.



Oxalis

PANSY

This charming flower is too well known to need any description. Hardy annual. $\frac{1}{2}$ foot.

Famous Strains of Mammoth Mixed Pansies

S. & W. Co.'s NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest and most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance. The seed has been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed, pkt. 15c., per 1000 seeds \$1.50, per 5000 seeds \$6.00.

S. & W. Co.'s WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Pkt. 25c., per 1000 seeds \$2.00, 5000 seeds \$8.00.

S. & W. Co.'s ODIER

Our strain of this magnificent pansy is indeed of a very fine selection, and comprises only the most brilliant colors; each petal has a large brilliant spot.

Odiar, Finest Mixed. Pkt. 15c., per 1000 seeds, \$1.00.

BUGNOT'S LARGE STAINED

Mixed colors. A celebrated French strain, extra large, choicest colors, broad blotches and delicate pencilings; ground colors generally light, bringing the elegant markings out in strong relief. Pkt. 25c., per 1-16 oz. \$1.00.

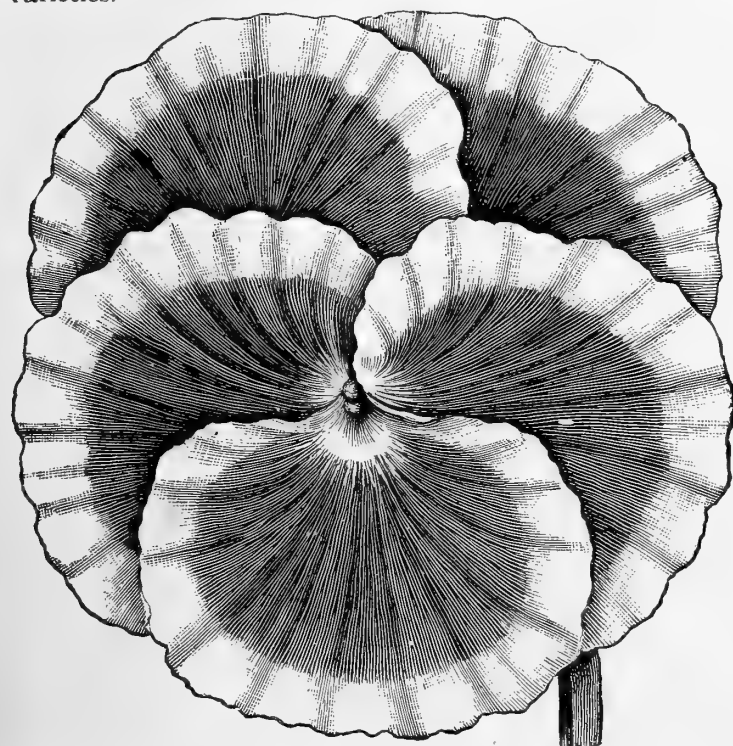
CASSIER'S LARGE FLOWERING

In form, color and size this pansy stands alone; the plants are very robust and the flowers are held well above the foliage, and should be grown amongst all other pansies, as they add to the effect on account of their robust habits.

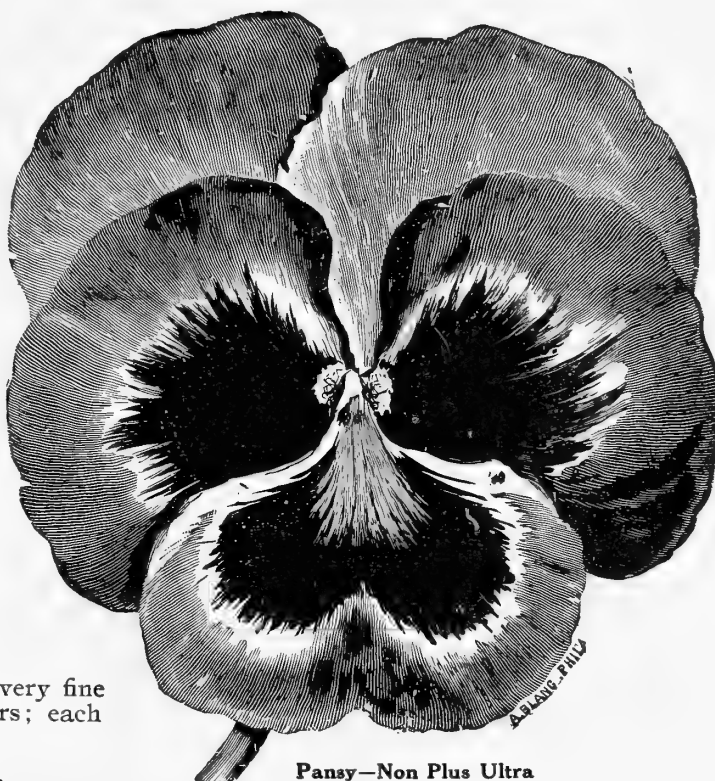
Cassier's All Colors Mixed. Pkt. 15c., per 1000 seeds \$1.00.

VERY LARGE FLOWERING VARIETIES

These are remarkably large pansies, which, for size of flower and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.



Pansy—World's Best



Pansy—Non Plus Ultra

	Pkt.	1000 seeds
S. & W. Co.'s Giant Purple.....	\$0.10	\$0.75
S. & W. Co.'s Giant Pres. Carnot.....	.10	.75
S. & W. Co.'s Giant Lord Beaconsfield.....	.10	.75
S. & W. Co.'s Giant Kaiser Wilhelm.....	.10	.75
S. & W. Co.'s Giant Yellow, black eye... ..	.10	.75
S. & W. Co.'s Giant Pure Yellow.....	.10	.75
S. & W. Co.'s Giant White, dark eye.....	.10	.75
S. & W. Co.'s Giant Snow White.....	.10	.75
S. & W. Co.'s Giant Fire King.....	.10	.75
S. & W. Co.'s Giant Light Blue, white center.....	.10	.75
S. & W. Co.'s Giant Light Blue, very handsome.....	.15	1.00
S. & W. Co.'s Giant Madame Perret.....	.15	1.00
S. & W. Co.'s Giant Mixed.....	.10	.60
	Pkt.	$\frac{1}{2}$ oz. Oz.
Fine English, mixed.....	\$0.05	\$0.50 \$1.50
Elite Mixture.....	.10	1.00 3.00

PASSION FLOWER

Handsome, rapid growing perennial climber for greenhouse decoration or sunny positions in the open ground in Summer.

Coerulea. Large flowers of violet and blue. Pkt 10c.

Alba. Large white flowers. Pkt. 10c.

Incarnata. Flesh colored. Pkt. 10c.

One each above 3 packets for 25c.

PETUNIAS

S. & W. CO.'S LARGE-FLOWERING

The Petunia cannot be equaled by any plant for outdoor decoration. They will flower the first season, even if sown in the open ground, but usually not before June. Those sown in the house or hotbed in April will bloom in June and be larger and finer plants. Half hardy annual. 1½ ft.

This is a strain of incomparable beauty, size and luxuriance. The flowers are of immense size, the fringed varieties exquisitely ruffled and fringed on the edges; but the extreme elegance lies in the great variety of colors, markings, blotching and striping, in the most beautiful combinations.

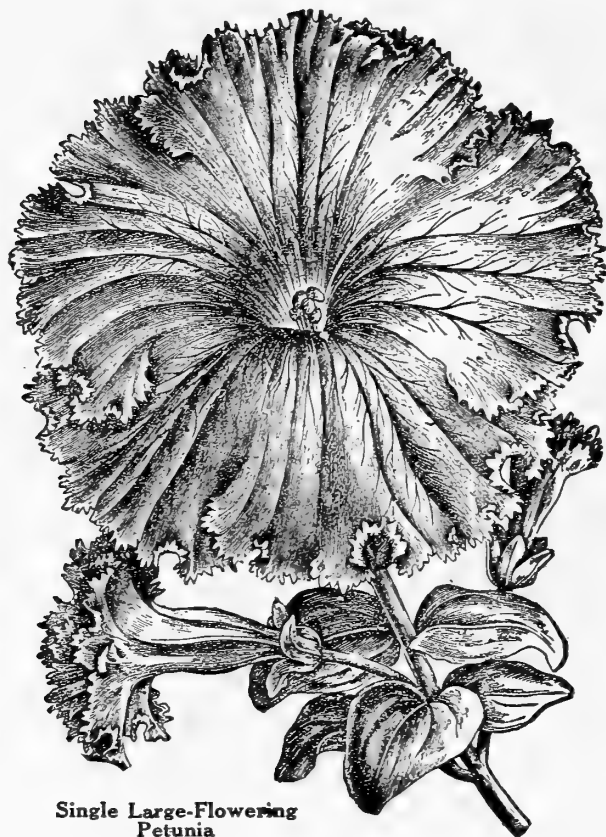
Large Flowering, Single Fringed. Mixed. Pkt. 25c.

" " **Double** " Mixed. Pkt. 50c.

Countess of Ellesmere. Dark rose with fine white throat. Pkt. 10c

Howard's Star. Rich crimson with distinct white star in centre. Pkt. 10c.

Inimitable Compacta. Bushy little plants covered with pretty striped and star-shaped flowers. Pkt. 10c.



Single Large-Flowering
Petunia

S. & W. CO.'S SELECTED LARGE-FLOWERING TALL VARIETIES

		Pkt.	1000 Seeds
Large-Flowering.	White	10c.	50c.
"	Deep purple	10c.	50c.
"	Scarlet	10c.	50c.
"	Chamois Rose	10c.	50c.
"	Scarlet Striped	10c.	50c.
"	Mixed	10c.	50c.

Imported Collections. 6 varieties 50c.; 12 varieties \$1.00.

S. & W. CO.'S SELECTED LARGE-FLOWERING DWARF VARIETIES

		Pkt.
Large-Flowering.	Dwarf Snow Ball	10c.
"	" Purple	10c.
"	" Defiance Brilliant	10c.
"	" Fireball	10c.
"	" Blue Striped	10c.
"	" Chamois Rose	10c.
"	" Surprise Vermilion, white center	10c.
"	" Mixed, 1,000 seeds, \$1.00	10c.

Phlox Drummondii. Mixed Oz. 50c. | 5c. |

HARDY PHLOX

Magnificent hardy flowering plants, growing into strong bushes from 2 to 3 feet high, bearing immense heads of large waxy flowers of lovely shades of color.

		Pkt.
Large-Flowering Hybrids.	Mixed	10c.
"	" Dwarf Mixed	10c.
"	" Red Shades. Mixed	25c.

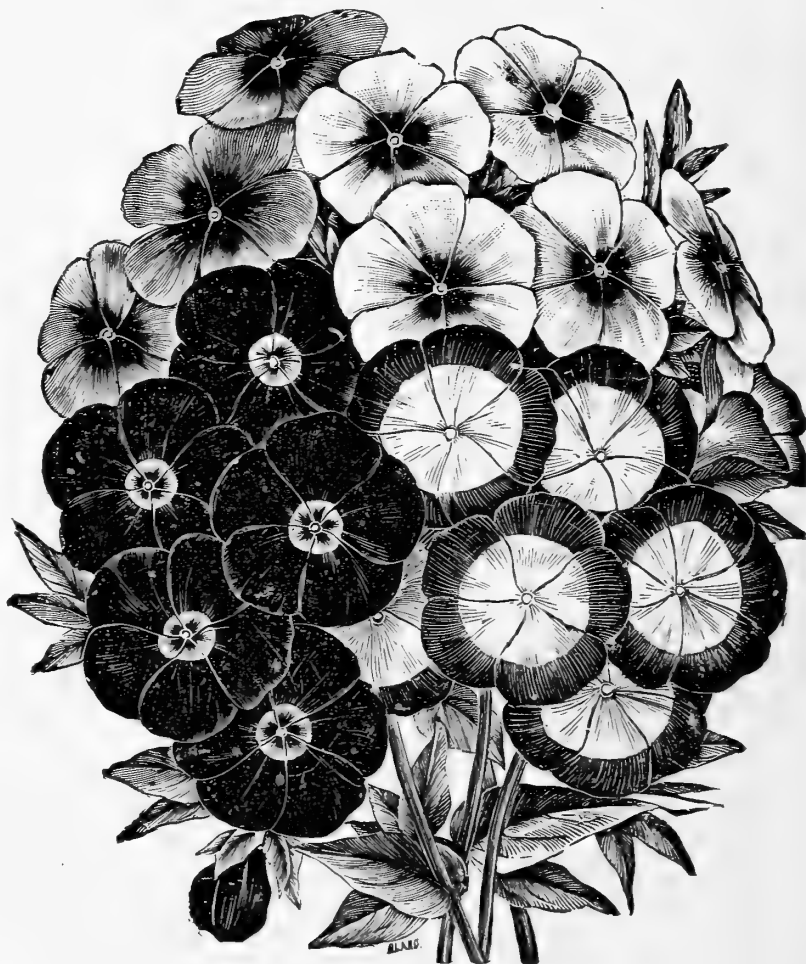
STAR PHLOX

Star of Quedlinburg. Mixed colors. Pkt. 10c.; 1,000 seeds. 75c.

Flowers are of regular star-like form. Plant of compact habit, about 18 inches high, bearing large umbels of flowers. Colors varied and beautiful.

PHLOX DRUMMONDI

The Phlox Drummondii is one of our best annuals, flowering freely all the Summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon gardening, therefore no garden should be without them.



Phlox. Large-Flowering Varieties

PRIMROSES

LARGE-FLOWERING CHINESE

The Chinese Primroses are fine for Winter and Spring flowering, and should be sown in the Spring, as they then germinate freely, and fine plants may be had for Winter blooming. Greenhouse perennial. $\frac{3}{4}$ ft.

LARGE-FLOWERING FRINGED VARIETIES

Blue.....Pkt. 50c. Rose.....Pkt. 50c.
Lilac....." 50c. Red....." 50c.
Purple....." 50c. Mixed....." 25c.

OTHER PRIMROSES

Obconica (Ever-blooming Primrose). Flowers pale lilac, continuous bloomer. Pkt. 10c.

Forbesi (Baby Primrose). One of the hardy varieties with pretty rosy lilac flowers, and is fine for pots. Pkt. 25c.

Japanese Primrose (*Primula japonica*). Mixed colors. Pkt. 10c.

English Primrose (*Primula vulgaris*). The old favorite common yellow Primrose, now so popular and fashionable in England. Pkt. 5c.

PYRETHRUM

Very beautiful and exceedingly ornamental dwarf-growing plants, with yellow foliage. Excellent for edgings and ribbon beds. Hardy perennial.

Aureum (Golden Feather). Bright yellow foliage. Pkt. 5c.

PYRETHRUM, HARDY VARIETIES

Roseum Hybridum, Double. From a splendid collection. Pkt. 25c.

Roseum Hybridum. Large-flowering, single mixed. Pkt. 15c.

RHODANTHE

These beautiful Everlastings should find a place in every garden; they produce freely their charming flowers; very useful for Winter decoration. Tender annual. 1 ft.

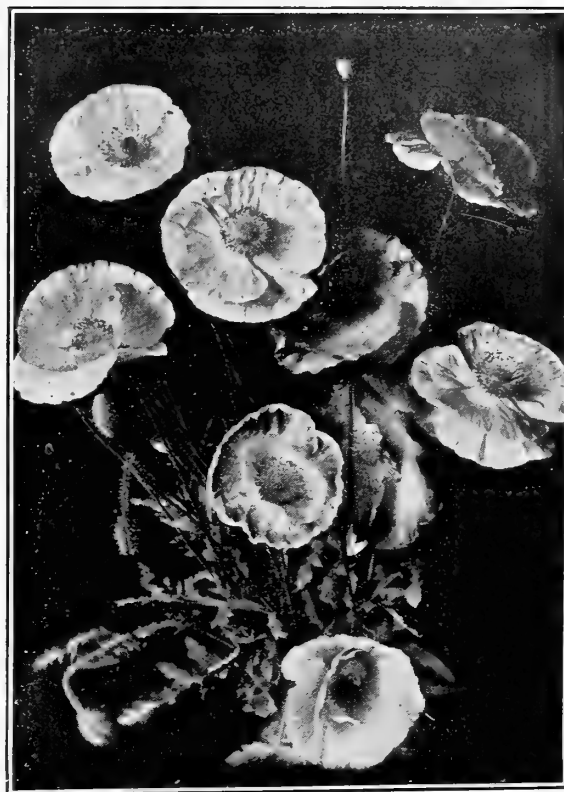
Mixed. Pkt. 5c.

SMILAX

Charming tender perennial climber for greenhouse or window gardens. The foliage and stems are of a pleasing light green, very graceful; excellent for decoration. Pkt. 10c., oz. \$1.00.



Chinese Primula



Shirley Poppy

POPPIES

Exceedingly showy annuals, making a gorgeous display in garden. Splendid for mixed borders. Hardy annuals.

Shirley, Mixed. A fine, distinct race Pkt. Oz.
of many colors; finest mixed..... \$0.05 \$0.50
Shirley. Rose shades..... .10 1.00
" Salmon shades..... .10 1.00
" White shades..... .10 1.00
" Carmine shades..... .10 1.00

Glaucum (Tulip Poppy). Crimson scarlet, very showy and effective..... .5 .50

Danebrog. Large, bright scarlet with a white cross in center; single..... .5 1.00

Double Carnation-Flowered. Mixed... .5 .30

Double Peony-Flowered. Mixed..... .5 .30

Murselli fl. pl. Mikado. Very handsome. Large double white-fringed flowers, purple margin..... .10 .50

Mephisto. Extra large flowers with deeply fringed edges, mixed colors..... .10 1.00

Oriental (Hardy perennial). Dark scarlet, purple spots..... .10 2.00

Single Mixed Iceland. Very fine many colors..... .10 1.00

Double Mixed Iceland. Very fine, many colors..... .10

PORTULACA

Portulacas are one of the best varieties of bedding plants, of the easiest culture, luxuriating in an exposed sunny situation, and producing throughout the Summer, flowers in the greatest profusion. The Double Portulacas are very beautiful; they somewhat resemble miniature roses. Hardy annual. $\frac{1}{2}$ ft.

Single Mixed.....Pkt. 5c., Oz. 40c.
" Extra fine large-flowering mixed " 10c., " \$1.00

Double, Extra fine large-flowering mixed..... " 10c., " 4.00



Salvia Splendens

Mixed Double, Tall. Pkt. 5c.

Pompadour. The enormous flower heads are quite round; the florets are black purple at the top and pure white from the center to the bottom. Pkt. 10c.

SCABIOSA CAUCASICA, LILAC

One of the handsomest of hardy perennials, forming a spreading and dense plant, 2 to 3 feet high, thriving well in ordinary garden soil, and should be grown by everyone, if only for the flowers for cutting, as they last a long time in water, and their peculiar soft lilac blue shade is charming. Pkt. 10c.

Caucasica Alba. White. Pkt. 10c.

SCHIZANTHUS

These dainty plants are of easy culture in any good garden soil. They are also useful as pot plants for Spring flowering, the seed being sown in early Fall and the plants kept in a light house and given plenty of room as they need it.

Wisetonensis. Charming new long blooming varieties, multitudes of light colored flowers, excellent pot plants. Carefully selected strain. Pkt. 25c.

Mixed. Pkt. 5c.

A BEAUTIFUL HARDY PERENNIAL STOKESIA CYANEA OR CORNFLOWER ASTER

This beautiful native hardy plant is not yet so well known as it should be. Without doubt the most valuable novelty of recent introduction. No garden, large or small, should be without it. No picture, be it ever so perfect, can do justice to its delicate beauty. When once seen everyone will want a bed of them. As a single specimen or group in the hardy border it makes for itself a place that cannot be filled by any other hardy plant, while for beds or masses of any size it ranks with the Phlox, Peony and Iris. It is of the easiest culture, growing easily from seed and also multiplied by division of the plant. The plants grow from 16 to 24 inches high, and in the North bloom from July to late in October, while in the South they bloom during May and June, with occasional blooms later if kept well cultivated. Although a native of the Sunny South, it seems to grow equally well all over the North and is reported perfectly hardy as far north as Northern Wisconsin. Its beautiful centaurea-like blossoms of a delicate lavender blue color are highly valuable for cutting, supplying a shade of color not overly plentiful at any season of the year. It starts off rather slowly when first set out and is far superior the second year after setting, so should be set where it can make a permanent bed. Pkt. 25c., 1/8 oz. \$1.00, 1/4 oz. \$1.75.

SALVIA

One of our handsomest Summer and Autumn flowering plants, growing into compact bushes about 3 feet high and literally ablaze with brilliant flowers; very effective for massing on the lawn and for garden decorations. Half-hardy perennial.

Splendens. Scarlet. Pkt. 5c., oz. \$2.00.

Bonfire (Salvia Splendens Nana Compacta Erecta). This variety, without question, is the finest Salvia for bedding yet introduced. The plants grow into very compact oval bushes, about 2½ feet high and produce long spikes of brilliant scarlet flowers. They stand out stiff and erect; over 200 spikes to a plant is not unusual, and the spikes bear from 20 to 30 flowers each. Gorgeous effects can be produced with the Bonfire Salvia massed on the lawn or in the garden, or planted in rows along a sunny drive, where the brilliant scarlet is simply dazzling. Pkt. 10c., 1/4 oz. \$1.50, 1/2 oz. \$2.50, oz. \$5.00.

Glorious of Stuttgart. Brilliant scarlet, large spike, beautiful compact variety. Pkt. 25c., 1/4 oz. \$2.00, oz. \$7.00.

Patens. Bright blue, the most beautiful blue known in flowers. Pkt. 15c.

SCABIOSA, or SWEET SCABIOUS

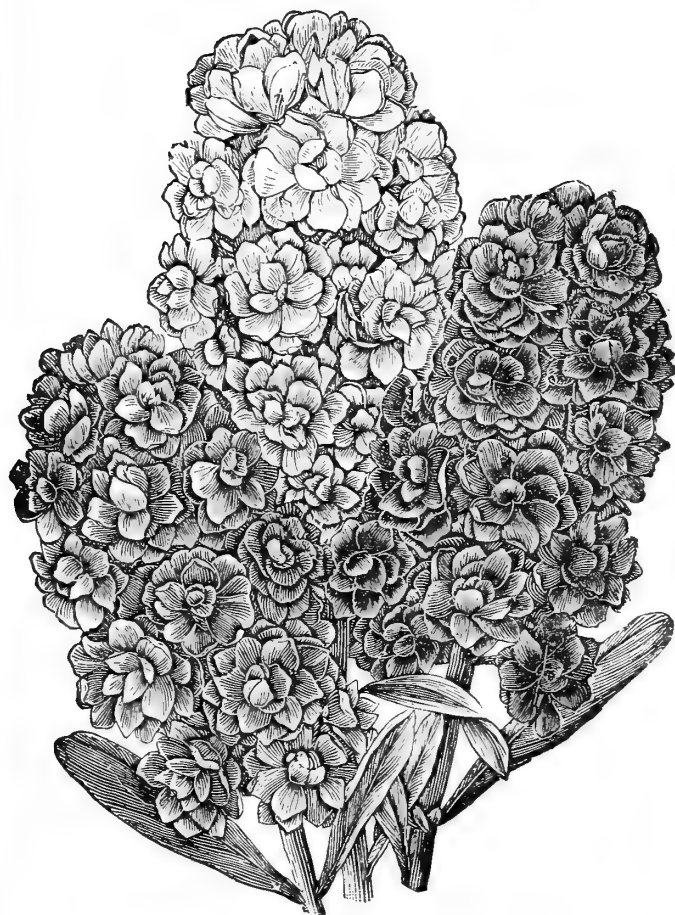
The Mourning Bride of our old gardens, but much improved in size, colors and doubleness. They are very free bloomers; colors, white, carmine lilac, maroon, etc. They are very effective for garden decoration, and equally valuable for cutting purposes; annuals. 1 ft.

Dwarf, Double, Large-Flowered, Mixed Colors. Pkt. 5c.

Candidissima. Large pure white. Pkt. 10c.



Stokesia Cyanea



Stock, Ten-Week

STEVIA

Serrate. A tender perennial, in great favor for cutting purposes; large heads of small white flowers of very graceful effect. Pkt. 5c.

STOCKS

These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. They should be given good rich soil to grow in, and will amply reward good treatment with remarkably large pyramids of bloom; the flowers represent a great diversity of color. The double Large-Flowering Ten Weeks Stocks are great improvements over the Gilli-flowers of the olden times, the flowers being much larger and more densely double, and there is also a much larger variety of colors and shades than there used to be.

HIGH-BRED, DWARF LARGE-FLOWERING 10 WEEKS

White	Pkt. 25c.
Carmines-scarlet.....	" 25c.
Crimson	" 25c.
Light Rose.....	" 25c.
Brilliant Rose.....	" 25c.
Finest Mixed.....	" 25c.
Canary-Yellow	" 25c.
Shining purple	" 25c.
Blood-red.....	" 25c.

Ordinary 10 Weeks. Mixed. Pkt. 5c.

HIGH-BRED SNOWFLAKE STOCK

A beautiful dwarf-growing variety; very large double white flowers; very early. Pkt. 25c.

HIGH-BRED CUT-AND-COME-AGAIN STOCK

Seed of these varieties, if planted in February will be in full bloom by the latter part of May, or planted in May will be in bloom during July and August.

Stock High-Bred Cut-and-Come-Again.

White	Pkt. 25c.
Fiery Crimson.....	" 25c.
Dark Blue.....	" 25c.
Empress Elizabeth.....	" 25c.
Beauty of Nice.....	" 25c.
Chamois Rose.....	" 25c.
Light Blue.....	" 25c.
Sulphur Yellow.....	" 25c.
Queen Alexandra.....	" 25c.
Mixed.....	" 25c.



Stock, Beauty of Nice

SWEET PEAS (LATHYRUS ODORATUS)



Giant Orchid-Flowering Sweet Pea, Gladys Unwin

Sweet Peas succeed best in a deep, rich soil. The most approved method of cultivation is to sow in a trench five or six inches deep, covering them at first with only one inch of soil; then, as the plants grow, fill in the earth about them one inch at a time. After the plants are well grown up, they should be watered copiously, and bone meal, worked into the soil about the roots, is recommended. Proper trellis or other supports should be provided.

The first sowing of Sweet Peas may be made very early in the Spring, as soon as the frost is out of the ground. For a succession some should be sown every few weeks afterward. For Fall flowering they may be sown as late as July. Then, again, they may be sown late in the Fall for very early blooming the following Spring, but in that case a dry situation is preferable, and they should be sown four or five inches deep, and not in the trench method.

S. & W. CO.'S GIANT ORCHID FLOWERING SWEET PEAS

The following 14 varieties of Sweet Peas are all of the Giant Flowering kind. The flowers are one-half again as large as the older types; the wings on most of the varieties are ruffled and present an appearance that is most fascinating.

Countess Spencer. Lovely pink but most always sports. Pkt. 10c., oz. 15c., lb. 75c.

Dorothy Eckford. The largest and best white. Pkt. 10c., oz. 15c., lb. 75c.

Gladys Unwin. Extra fine frilled pink. Pkt. 10c., oz. 20c., lb. \$1.00.

Marchioness of Cholmondeley. Very large bold flower; soft shade of cream, edged with pink. Pkt. 10c., oz. 15c., lb. 75c.

Miss Willmott. Standard orange pink, showing veins of deeper orange pink. Pkt. 10c., oz. 20c., lb. \$1.00.

Mrs. Walter Wright. A beautiful shade of mauve, with bright shaded mauve wings; flowers large, slightly hooded. Pkt. 10c., oz. 15c., lb. 75c.

Phenomenal. Orchid-flowering blue edged, very beautiful variety. Pkt. 10c., oz. 20c., lb. \$1.00.

Queen Alexandra. The finest scarlet; stands the sun well. Pkt. 10c., oz. 20c., lb. \$1.00.

Romolo Piazzani. Rose purple, self-colored, changing to lilac and blue when fully expanded. Pkt. 10c., oz. 20c., lb. \$1.00.

Collection. One pkt. each of the above 16 varieties for \$1.00.

Collection. One oz. each of the 16 varieties for \$2.00.

Evelyn Byatt. Rich orange standard with falls or wings of a deeper color, giving a rich fiery orange or deep sunset color to the entire flower, very striking and unique. Pkt. 10c., oz. 20c., lb. \$1.00.

Flora Norton. Bright, clear blue, self-colored with just a tint of purple which is only perceptible at times. This is the clearest and most pronounced blue we have. Pkt. 10c., oz. 20c., lb. \$1.00.

Helen Pierce. Bright blue mottled on white ground; a pretty and distinct variety. Pkt. 10c., oz. 20c., lb. \$1.00.

Helen Lewis. Fine orange pink, large flower and showy wavy standard. Pkt. 10c., oz. 20c., lb. \$1.00.

Hon. Mrs. E. Kenyon. Deep primrose, grand flower, the largest and deepest color of all the yellow varieties. Pkt. 10c., oz. 15c., lb. 75c.

John Ingham. Rose carmine, showing veins of deeper shade. Very large size, open form with wavy edges. Pkt. 10c., oz. 20c., lb. \$1.00.

King Edward VII. A lovely bright crimson flower; large, borne on strong robust stems. Pkt. 10c., oz. 15c., lb. 75c.

If you want the most beautiful collection of Giant Flowering Sweet Peas this Spring try some of the new varieties.

SWEET PEAS—Continued

CHOICE NAMED VARIETIES

ALL EXCELLENT DISTINCT SORTS

- America.** Large, bold flower; white, striped with blood red.
- Apple Blossom.** Bright pink and blush, beautifully shaded.
- Aurora.** Gigantic expanded shell form; both standard and wings are flaked and striped with orange salmon on white.
- Blanche Burpee.** Superb, pure white; immense size, perfect form.
- Blanche Ferry.** Large pink and white flowers; very early; free flowering.
- Capt. of the Blues.** Bright purple and pale blue.
- Captivation.** Glowing ruby purple or bright claret; large shell shaped standard.
- Countess of Cadogan.** Reddish mauve standard, wings violet-blue.
- Countess of Radnor.** Standards delicate lavender, wings dark mauve; lovely.
- Dainty.** White flushed, pink edge.
- Earliest of All.** Similar to Blanche Ferry, but of dwarfer habit and blooms ten days earlier. It grows but three feet high and needs no brush or trellis.
- Emily Henderson.** Absolutely pure white. **Extra large,** with broad round standards that stand up boldly. The plants produce such an abundance of flowers that they appear as if covered with snow.
- Emily Eckford.** Blue, purple wings.
- Golden Rose.** Primrose yellow flushed rosy pink.
- Janet Scott.** Very fine, large pink.

- Katherine Tracy.** Exquisite bright pink; a large, perfect flower, very profuse; stands our hot sun without fading.
- Lady Grisel Hamilton.** Beautiful silvery lavender.
- Lottie Eckford.** Rose and white edged with blue.
- Lovely.** Warm rose pink; large and extra fine.
- Mars.** Bright fiery crimson, deepening with age; a large, round, expanded standard.
- Mont Blanc.** Extra early white; fine for forcing.
- Mrs. Dugdale.** Carmine rose shaded yellow.
- Mrs. Eckford.** A large flower of a charming primrose yellow; strong grower; profuse.
- Mrs. Gladstone.** Delicate soft pink with rosy blush wings.
- Mrs. Sankey.** White, black seed.
- Mrs. Knight Smith.** Pink; sports somewhat.
- Navy Blue.** Dark indigo blue and violet; the best blue.
- Othello.** Splendid, large dark brown chocolate red, self colored flower.
- Princess of Wales.** Largest rose.
- Ramona.** Large flowers, creamy white shaded pale pink.
- Sadie Burpee.** Pure white, strong grower, free flowering, and produces its flower on long, stout stems.
- Salopian.** Vivid red, but a darker shade than the scarlet of Firefly. Wings deep red tinged with rose.
- Shahzada.** Rich, dark maroon with a shade of purple; most distinct and attractive.
- Stella Morse.** Primrose flushed pink; very beautiful.
- White Wonder.** Largest pure white flowers, often borne six on a long stiff stem; many of the flowers come double.

Prices of any of above-named Varieties, 5c. per packet (of about 100 Seeds, enough for a single row 6 feet long); 10c. per ounce (300 to 400 Seeds); 25c. per 1-4 lb.; 75c. per lb. Delivered Free in United States.

SWEET PEAS IN MIXTURE

- Our Own "High Grade" Mixed.** Comprising the finest Eckford and other new and choice large-flowering varieties. Oz. 10c., ¼ lb. 25c., ½ lb. 40c., lb. 75c.
- Eckford's Mixed.** Composed of Eckford's varieties only. Oz. 10c., ¼ lb. 20c., ½ lb. 30c., lb. 50c.
- Standard Mixed.** Oz. 10c., ½ lb. 20c., lb. 30c.

DOUBLE SWEET PEAS

Double Sweet Peas are of incomparable beauty. The flowers are extra large, frequently measuring over two inches across. They have from two to three standards and frequently three wings; these petals are beautifully incurved and frilled. **The flowers of these do not all come double,** but usually 20 to 40 per cent. of double blossoms are produced. Sometimes the flowers on a stem will all come double and sometimes all single, but generally doubles and singles are borne about half-and-half on each stem. In some uncongenial situations they have proved very inconstant, producing no double flowers at all, but in such cases they make up for the deficiency in doubles by producing in greatest profusion large beautiful single flowers.

Finest Double. Mixed. Pkt. 5c., oz. 10c., ¼ lb. 25c., 1 lb. 75c.

CUPID SWEET PEAS

Compact, dwarf plants, not over six or seven inches high, covering a circumference of about 18 inches hug-

ging the ground, with no tendency to either climb or trail. The innumerable short branches form a perfect tuft of green foliage which soon becomes studded with flowers of good form and substance, and nearly as large as those of the climbing Sweet Peas. For edgings, low beds and for pot culture Cupid Sweet Peas are unique and wonderfully pretty.

Cupid Sweet Peas. Mixed colors, including many varieties. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 85c.

BUSH SWEET PEAS

Bush Sweet Peas are very attractive if planted as a hedge, allowing about six inches for each plant. They branch freely, and each plant is of **perfect bush form** until about a foot high; when in full bloom they are 18 to 20 inches high, and a row will still remain self supporting. The flowers are about two-thirds the size of the Tall Sweet Peas, borne two on a stem; the stems are about six inches long. Cut in connection with some of the foliage, which consists of attractive, narrow, light green leaves, the flowers are excellent for house decoration or bouquets. Their chief beauty, however, is seen when planted in a row, which, when in full bloom, is a **complete mass of flowers.**

Bush Sweet Peas. Mixed. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

SUNFLOWER**SINGLE VARIETIES**

- Cut-and-Come-Again.** Mixed. Pkt. 10c., oz. \$1.00.
Cucumerifolius Stella. Improved golden yellow flower with small, black center. Pkt. 5c., oz. 40c.
Cucumerifolius Orion. New, with crisped petals. Pkt. 10c., oz. \$1.00.
Cucumerifolius. Type flower. Pkt. 5c., oz. 25c.
Cucumerifolius. Hybrida double, new double and semi-double var.; very fine. Pkt. 10c., oz. \$1.50.
Perkeo. A miniature plant 12 in. high by 18 in. in diameter; flowers 3 in. across, golden, with black eye. Pkt. 15c., oz. \$2.00.
Diadem. Large-flowering, citron. Pkt. 10c., oz. \$1.50.
Thousand-Flowered. Pkt. 10c., oz. \$1.50.
Bismarkianus. Tall, with abundant single, large flowers. Pkt. 5c., oz. 25c.

DOUBLE-FLOWERING

- Globosus Fistulosus.** Double, enormous flowers; very double, best strain. Pkt. 5c., oz. 25c.
Dwarf Double. Extra fine. Pkt. 5c., oz. 25c.
Large Russian. Pkt. 5c., oz. 10c.

HARDY VARIETIES

- Missouricus.** Fine double yellow. Pkt. 15c., oz. \$2.00.
Rigidus. Heavy stiff stem, clear yellow flowers. Pkt. 25c.



Torenia Fournieri

SWEET WILLIAM (Dianthus Barbatus)

A well-known free flowering favorite, unsurpassed for richness and variety of color. Very effective for bedding. Hardy biennial. 1½ feet.

- Single.** Finest mixed. Pure white. Dark red. Pkt. 5c., oz. 35c.
Single. Black red. Pkt. 5c., oz. 50c.
Single. Oculatus. Very bright color with eye. Pkt. 5c., oz. 50c.
Single. Marginatus. Bordered with eye. Pkt. 5c., oz. 50c.
Single. Holborn Glory. Extra large flowers; finest, shades. Pkt. 10c., oz. \$1.00.
Double. Finest mixed. Pkt. 10c., oz. \$1.50.
Double. Pure white. Pkt. 10c., oz. \$1.50.
Double. Dark red. Pkt. 25c., oz. \$4.00.
Double. Oculatus Marginatus. Bordered with eye. Pkt. 20c., oz. \$3.00.



Sunflower, Cut-and-Come Again

THUNBERGIA

Ornamental free-blooming climbers of rapid growth, with handsome foliage and much admired flowers. They should be sown in a warm situation. Half-hardy annual.

- Alata.** Buff, with dark eye. Pkt. 5c.
Alba. White, with dark eye. Pkt. 5c.
Bakeri. Pure white. Pkt. 5c.
Freyeri. Orange. Pkt. 5c.
Mixed. Pkt. 5c., oz. 50c.

TORENIA

Pretty plants for vases or hanging baskets. Succeed well in the open ground. Tender annual. 1 ft.

- Fournieri.** Porcelain blue and rich violet; throat bright yellow. Pkt. 10c.
White Wings. Pure white, with rose throat. Pkt. 10c.



Sweet William

S. & W. CO.'S VERBENAS

We take special pains with our strain of Mammoth Verbenas, continually selecting and keeping it up to the highest point for size of flowers, purity of color, etc. They should be sown early to get nice plants in time for Spring.

- S. & W. Co.'s Mammoth.** Mixed. Pkt. 10c.
 " **Defiance**, red. Pkt. 10c.
 " Dark scarlet shades. Pkt. 10c.
 " Rose and carmines. Pkt. 10c.
 " Purple shades. Pkt. 10c.
 " White; very beautiful. Pkt. 10c.
 " Lemon scented. Pkt. 10c.
 " **Mixed.** Oz. \$1.00, pkt. 5c.

Collection, 5 varieties, 50c.

SINGLE SWEET VIOLETS

(Double Violets do not seed)

Large Flowering. Mixed colors. Hybrids between the sweet violet and the pansy, retaining the delightful violet perfume of the former, with beautiful pansy-like blossoms, 2 to 2½ inches across, of much substance and a variety of beautiful colors, shades, markings, blending, etc. The plants are hardy and vigorous. Pkt. 10c.

WALLFLOWER (Cheiranthus Cheiri)

Well known favorites, much esteemed for their fragrance; they prefer a sunny situation. Tender perennial. 1½ feet.

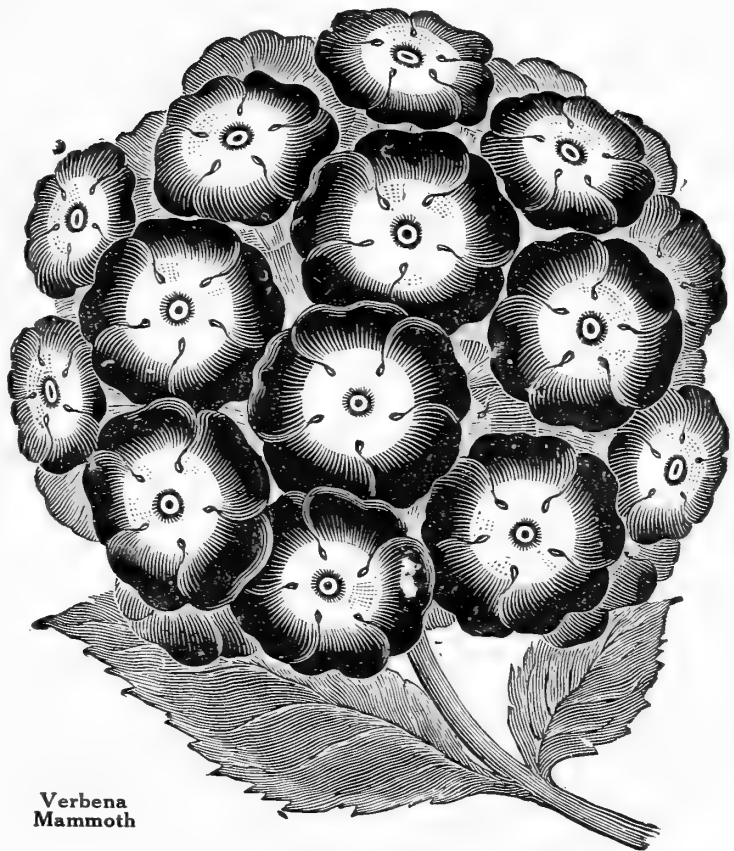
Double and Single, mixed. Pkt. 5c.

Single Annual Wallflower Novelty. Pkt. 25c.

WISTARIA

Of luxuriant growth, bearing in the Spring immense panicles of purple or white flowers produced in great profusion.

- Wistaria, Chinese.** Blue. Pkt. 10c.
 " " White. Fragrant. Pkt. 10c,



Verbena
Mammoth

VINCA

Beautiful. Fine for parlor, greenhouse or garden decoration. Their color can hardly be surpassed. Tender perennial. 1½ feet.

Alba. Pure white. Pkt. 10c.

Rosea. Bright rose. Pkt. 10c.

Rosea alba. White with rosy eye. Pkt. 10c.

Mixed. Pkt. 10c.

MAMMOTH FLOWERING ZINNIAS

Well known favorites, suitable for every garden, blooming most profusely from July to frost. Hardy annual.

Double, crimson (½ ft.) purple, rose, scarlet, white, yellow, lilac and mixed. Pkt. 5c., oz. 50c.

Imported Collections. 6 varieties 25c., 12 varieties 50c.

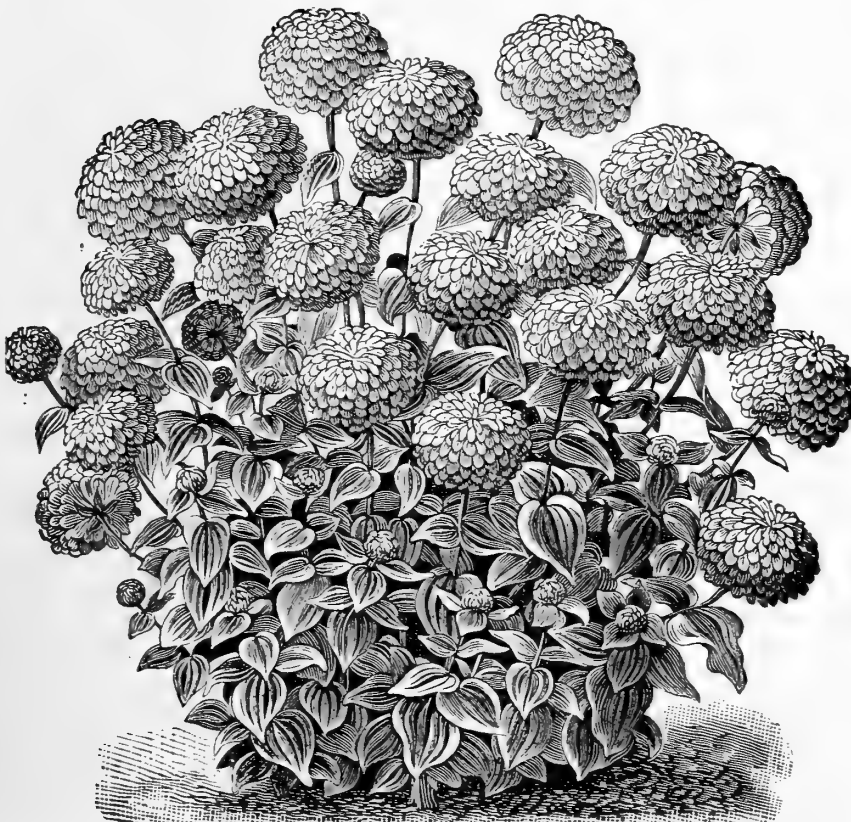
Zinnia Giant-Flowering, mixed, Pkt. 10c., oz. \$1.00.

Curled and Crested Zinnias. Large double flowers, with petals twisted, curled and crested into the most fantastic and graceful forms. Usual range of colors. Pkt. 10c.

Striped or Zebra Zinnias. Large double flowers of orange, crimson, pink, yellow, white, etc., striped and blotched with different colors. Mixed colors. Pkt. 10c.

Nana Compacta Miniature. Very pretty; fine for edging, being considerably smaller and the plants dwarf and compact. Pkt. 10c.

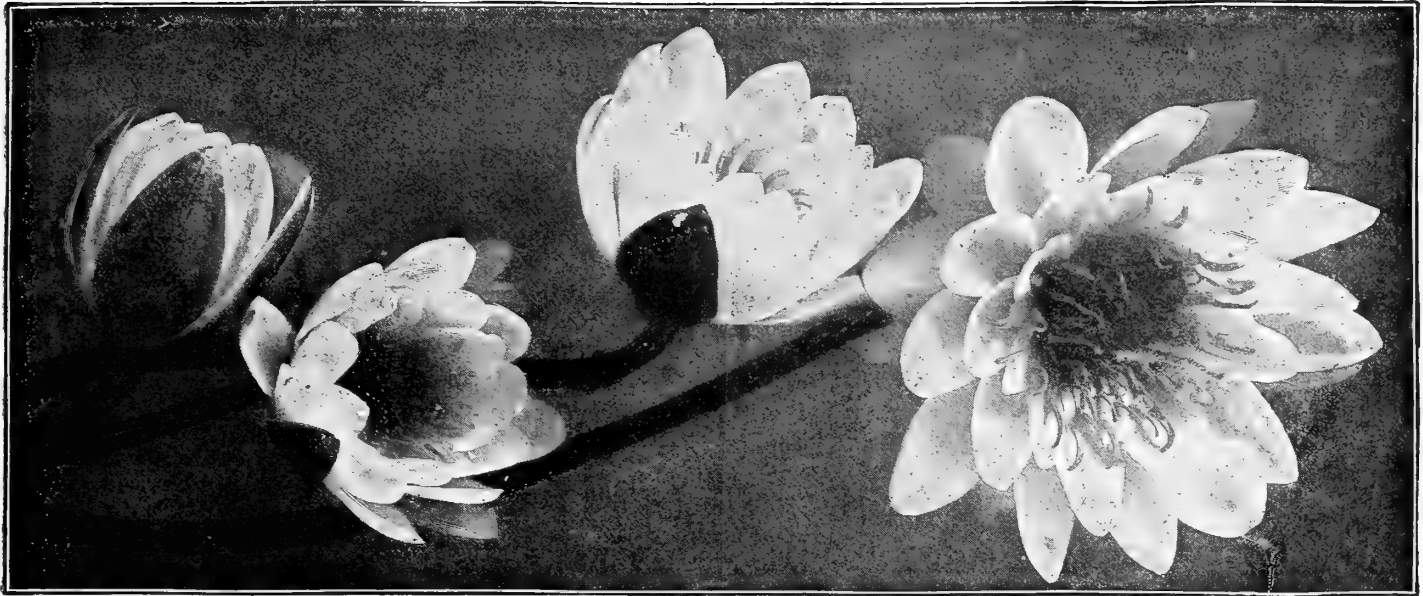
Pumila. Very dwarf and growing very compact. Pkt. 10c.



Zinnia, Large-Flowering

S. & W. CO.'S HARDY PERENNIAL FLOWER SEEDS

		Pkt. 1-16 oz. ¼ oz. 1 oz.						Pkt. 1-16 oz. ¼ oz. 1 oz.			
<i>Ethionema coridifolium</i> , rose, Charm- ing free-flowering plant.....		\$0	10	\$0	50	<i>Dianthus</i> (or <i>Pinks</i>) <i>plumarius</i> flore pleno, double and semi-double mixed.....		\$0	10	\$0	50 \$1 50
<i>Ethionema grandiflorum</i> , rose, Charming free-flowering plant..		10		50		<i>Dianthus plumarius</i> <i>Scoticus</i> fl. pl., Scotch or Florists' Pinks, from prize flowers.....		25	3	00	
<i>Ethionema persicum</i> , pink, Charm- ing free-flowering plant.....		10		\$0	50	<i>Dianthus plumarius</i> <i>semperflorens</i> , Florists' Perpetual Pinks; hardy class, very fragrant, double, semi-double and single; great diversity of colors.....		25	1	00	3 00
<i>Agrostemma coronaria</i> , red.....		5	15	40	\$1 00	<i>Dianthus plumarius</i> <i>semperflorens</i> <i>rubra</i> , new red varieties.....		25	1	50	5 00
" <i>atrosanguinea</i> , dark blood red.....		5	15	40	1 00	<i>Eremurus himalaicus</i> . Per 100 seeds, \$2.00; per pkt. 10 seeds.....		25			
<i>Alsine pinifolia</i> (<i>gracilis</i>), pure white dwarf for edgings.....		10	25	75		<i>Gaillardia grandiflora</i> , splendid mixed varieties.....		10	40	1	00
<i>Alstromeria brasiliensis</i>		20	1	00		<i>Helianthus missouriensis</i> . Per 100 seeds, 25c.; per 1000 seeds, \$2.00.					
<i>Alyssum argenteum</i> , yellow-flowered..		5	15	40	1 00	<i>Helianthus ridigius præcox</i> . Per 100 seeds, 50c.; per 1000 seeds, \$4.00.					
" <i>rostratum</i> , dwarf, yellow, floriferous.....		10	20	50	1 50	<i>Heliopsis Pitcheriana</i> , new, golden yellow, fine for cutting.....		5	20		50
<i>Anchusa affinis</i> , dwarf, azure blue....		5	10	30	75	<i>Heuchera sanguinea hybrida</i> , many varieties mixed.....		10	40	1	00
" <i>incarnata</i> , flesh.....		5	10	30	75	<i>Iberis gibraltarica</i> , large lilac flowers shading to white.....		5	15	40	\$1 00
<i>Anemone japonica elegans</i> , rose.....		10	40	1	00 3 00	<i>Iberis jucunda</i> , rose. Per 100 seeds, 25c.; per 1000 seeds, \$2.00.					
" " <i>Honorine Jobert</i> , white, splendid.....		10	40	1	00 3 00	<i>Iberis sempervirens</i> , white.....		5	15	40	1 00
<i>Anemone japonica</i> <i>Queen Charlotte</i> , new semi-double cream rose....		20	80	2	00	<i>Lathyrus latifolius</i> , scarlet.....		5	10	15	40
<i>Anemone pulsatilla</i> , violet lilac.....		5	15	40	1 00	" " <i>alba</i> white.....		5	10	20	60
<i>Anthemis Kelwayii</i> , yellow.....		5	15	40	1 00	" " <i>rosea</i>		5	10	15	40
<i>Antirrhinum</i> , tall <i>grandiflorum</i> , sepa- rate colors.....		5	15	40	1 00	<i>Leucanthemum</i> (<i>chrysanthemum</i>), maximum, large white.....		5	15	40	1 00
<i>Antirrhinum</i> , dwarf <i>grandiflorum</i> , separate colors.....		5	15	40	1 00	<i>Leucanthemum uliginosum</i> , large white, for cutting.....		10	40	1	00 3 00
<i>Aquilegia alpina</i> , blue.....		5	15	40	1 00	<i>Linum flavum</i> , yellow, fine.....		10	25	75	2 00
<i>Asclepias incarnata</i> , flesh.....		5	10	30	75	<i>Lobelia cardinalis</i>		25			
" <i>tuberosa</i> , orange, very fine..		10	50	1	50	" <i>cardinalis atrosanguinea</i> , new, dark blood.....		25			
<i>Aster Alpinus</i> , blue.....		10	40	1	00	<i>Lobelia cardinalis lugdunensis</i> , light rose.....		25			
" " <i>alba</i> white.....		10	40	1	00	<i>Lobelia cardinalis</i> <i>Nanseniana</i> , new, crimson purple, semi-dwarf, dark foliage, beautiful.....		25			
" " <i>rubra</i> red, new.....		25	2	00		<i>Lobelia cardinalis</i> <i>Queen Victoria</i> , bril- liant scarlet, darkest leaves, extra splendid hybrids, mixed.....		25			
" " <i>speciosus</i> , very large..		10	50	1	50	<i>Lobelia cardinalis hybrida</i> (<i>Gerardi</i>), splendid hybrids, mixed.....		25			
<i>Bellis perennis</i> <i>delicata</i> , white with red center.....		20	75	2	00	<i>Lupinus arboreus</i> , yellow tree lupin..		10		15	50
<i>Bellis perennis</i> , <i>Longfellow</i> , rose....		20	75	2	00	<i>Myosotis palustris</i> , true Marsh Forget- Me-Not.....		20	40	1	00 3 00
" " <i>Snowball</i> , white.....		20	75	2	00	<i>Poppy orientale</i> , flowers dark red... hybrids, mixed.....		25	50	1	50 4 00
<i>Bocconia japonica</i> , highly decorative..		5	15	40	1 00	" <i>nudicaule</i> , Iceland Poppies, sin- gle, mixed.....		10	15	40	1 00
<i>Campanula carpatia</i> , blue.....		5	15	40	1 00	<i>Poppy nuicaule</i> , Iceland Poppies, double, mixed.....		25	50	1	50 4 00
" " white.....		5	15	40	1 00	<i>Phlox decussata</i> , from the choicest sorts, extra fine.....		20	40	1	00 3 00
" <i>fragilis</i> , blue, dwarf, very fine.....		25	1	00		<i>Phlox decussata</i> <i>nana</i> , dwarf variety.. " " brilliant red sorts....		25	50	1	50 4 00
<i>Campanula macrantha</i>		5	15	40	1 00	<i>Primula japonica</i> , purple, white, white with eye, carmine striped, sal- mon, sanguinea, splendida crim- son, or mixed.....		20	1	00	
" <i>persicifolia</i> , blue, tall....		10	40	1	00	<i>Primula Sieboldii</i> , large flowering, superb. 500 seeds, \$1.00					
" " <i>alba</i> , fine.....		10	40	1	00	<i>Primula veris</i> , very fine quality, mixed.....		25	1	00	
" " flore pleno, about 50 per cent. true from seed.....		10	50	1	50	<i>Primula veris grandiflora</i> , new giant flowered.....		25	2	00	
<i>Campanula persicifolia</i> flore pleno <i>alba</i> , about 50 per cent. true from seed		10	50	1	50	<i>Pyrethrum atrosanguineum</i> , fine....		10	25	75	2 00
<i>Campanula persicifolia grandiflora</i> <i>alba</i> (<i>Backhousei</i>).....		20	1	00	2 50	" <i>roseum grandiflorum</i>		25	50	1	50 4 00
<i>Campanula persicifolia grandiflora</i> flore pleno, Splendid novelties, about 50 per cent. true from seed.....		20	75	2	00	" " semi- double, from a splendid collec- tion.....		25	2	00	
<i>Campanula persicifolia grandiflora</i> flore pleno <i>alba</i> . Splendid novelties, about 50 per cent. true from seed		25	1	00	3 00	<i>Scabiosa caucasica</i> , lilac, splendid....		25	50		
<i>Coreopsis grandiflora</i> , very large golden yellow flowers, for cut- ting.....		5	15	40	1 00	" " <i>alba</i> , new, very fine.....		25	1	00	
<i>Coreopsis lanceolata</i> , yellow, very fine		10	20	50	1 50	<i>Scabiosa caucasica</i> , perfecta, fine, large and fringed.....		25			
<i>Delphinium Barlowi</i> , large dark blue flowers, extra fine.....		25	1	00	1 75	<i>Sedum aizoon</i> , yellow.....		25	1	00	
<i>Delphinium Brunonianum</i> , blue, musk-scented, quite distinct, per 1,000 seeds \$3.00.						" <i>Evarsi</i> , rose.....		25	1	00	
<i>Delphinium cardinale</i> , scarlet, splen- did.....		25	1	00	2 50						
<i>Delphinium cashmerianum</i> , dark blue, very fine.....		15	40	1	25 4 00						
<i>Delphinium formosum</i>		5	15	40	1 00						
" <i>celestinum</i> , sky- blue, handsome.....		10	50	1	50						
<i>Delphinium flore pleno</i> <i>hybridum</i> , finest mixed.....		20	75	2	00						
<i>Delphinium La Mastadonte</i> , large, dark blue, beautiful. 1000 seeds, \$3.00.											
<i>Delphinium nudicaule</i> , scarlet, dwarf, compact.....		10	40	1	00						
<i>Delphinium zalil</i> , long spikes, yellow flowers.....		25	1	00	2 50						
<i>Dianthus</i> (or <i>Pinks</i>) <i>plumarius</i> <i>cyclops</i> , dark rose, crimson ring.....		25	1	00	2 50						



Group of Nymphaea Marliacea Varieties

WATER LILIES

The cultivation of Aquatics is of the simplest. Their requirements are sunshine, water and plenty of rich soil. They are divided into two classes, hardy and tender. The former may be planted in ponds or sluggish streams, from early in the spring until August, and, under the same conditions as our native Water Lily, will grow luxuriously and flower profusely the entire season. Provide the same conditions in artificial ponds or tanks, and the results will be equally satisfactory. Plant the tender varieties at the approach of warm weather and when the water is warm. The plants can be grown indoors in pots until safe to transfer to summer quarters. The after-treatment is the same as for the hardy varieties. When grown in tubs only the moderate growers should be selected. In storing in tubs through the winter they should be kept where it is not warm enough to excite growth or so cold as to freeze. We do not, unless specially ordered, send out Water Lilies until the middle of May, but would prefer having the orders early, and we can then set them aside and ship at the proper time.

James Brydon. Among the late introductions none are so positively distinct as this superb variety. Flowers 5 to 6 inches in diameter; petals very broad, concave, incurving; color rich rosy crimson, reverse of petals having a silvery sheen; a full, self-colored flower without purplish or magenta shading. \$2.50 each.

Marliacea rubra-punctata. Flowers deep rosy purple, spotted carmine, stamens orange-red. A very choice variety and a free, continuous bloomer. \$2.00 each.

Taberosa rubra. Flowers 5 to 7 inches in diameter, and of an exquisite shade of soft rosy red with bright red stamens, and with the same rich fragrance as *N. odorata*. The plant is of vigorous habit. \$1.50 each.

Wm. Doogue. A magnificent Lily of chaste and delicate coloring; flowers 5½ to 6 inches in diameter, beautifully cup-shaped, and of a pleasing shell-pink color, with sepals royal pink. A very symmetrical and distinct flower of great substance, with petals of an extraordinary width. \$1.50 each.

General Collection of Hardy Nymphaeas

Alba. The well-known white European Water Lily. Strong-flowering roots. 50c. each, \$5.00 per doz.

Laydekeri lilacea. Flowers soft rosy lilac, shaded bright carmine, tea-rose fragrance; very free-flowering. An exquisite variety. 75c. each, \$7.50 per doz.

Marliacea albida. A vigorous variety; flowers large, of sparkling whiteness; stamens light yellow, sepals flushed pink; fragrant, and produced freely and continuously through the season. Very desirable. 50c. each, \$5.00 per doz.

Marliacea carnea. Similar to the preceding save in color, which is of a soft flesh-pink, deepening toward the base of the petals. 75c. each, \$7.50 per doz.

Marliacea Chromatella. A very free and vigorous grower, and should not be crowded; flowers 4 to 6 inches across, bright yellow; petals numerous, broad, concave; stamens deep yellow; leaves deep green, beautifully blotched with brown. A free and continuous bloomer, on which account it is a universal favorite. 75c. each, \$7.50 per doz.

Odorata. This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 inches in diameter; stamens yellow; leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds for effect and for cut flowers. All Nymphaeas of this type are useful for naturalizing. 20c. each, \$2.00 per doz.

Odorata gigantea. Rice-field Water Lily of the south-eastern United States; leaves large, 12 to 16 inches across, green, under side at times tinged purplish toward margin, edge often turned up; flowers 4 to 7 inches across, pure white. A superb variety. 20c. each, \$2.00 per doz.

Odorata minor. A miniature form, growing in some sections in shallow water, also where water recedes entirely in the summer. A dainty, fragrant, white flower, 2 to 3 inches across. Can be grown in a tub. 20c. each, \$2.00 per doz.

Odorata rosea (Syn. N. rubra). Cape Cod Pond Lily; flowers 4 inches across; color a beautiful rose-pink, deeper in the center; stamens yellow; very fragrant and free-flowering; leaves dark reddish on both sides when young, becoming green above. 50c. each, \$5.00 per doz.

Odorata sulphurea. One of the very best hybrid Nymphaeas. The greatly fragrant flowers are sulphur-yellow, 4 to 5 inches in diameter, and standing 3 to 4 inches out of the water; leaves floating, as in the type, but blotched reddish on the under side; distinct. 50c. each, \$5.00 per doz.

Helvola (*Syn. N. tetragona Helvola*). Similar to the preceding, but with sulphur-yellow flowers; petals more pointed; leaves green, early stage reddish, blotched all over with brown; extremely free-flowering, and well adapted for growing in large aquariums or tubs. 30c. each, \$3.00 per doz.

Robinsoni. The large, floating flowers of this distinct and striking variety are difficult to describe, but may be said to have a ground color of yellow overlaid with purplish red, the general effect being dark orange-red. The foliage is dark green, spotted with chestnut above, dark red on the under side. A fine variety and should be in every collection. \$1.00 each.

Taberosa rosea. Flowers an exquisite shade of pink, standing above the water. A vigorous grower, but not so strong as the type. 50c. each, \$5.00 per doz.

Tuberosa Richardsons. This variety should be included in every collection. Flowers pure white and quite double, the stamens being converted into petals which are more or less fluted in the center. The flowers stand well above the water; the sepals and outer petals drooping, forming a perfect globe. No variety in our Water Garden was admired by visitors more than this. This immense snowball-like flower, 8 inches in diameter, was declared to be the finest white Water Lily of all. 50c. each, \$5.00 per doz.

NELUMBIANS

Album Grandiflorum. (*Syn. A. floribunda*). A grand white variety, whose purity, fragrance, noble form, size, majestic foliage and hardiness stamp it as one of the very best. \$1.50 each.

Speciosum (*Egyptian Lotus*). The well-known and far-famed species. Its superb flowers and magnificent foliage produce a splendid sub-tropical effect. The flowers, which are about a foot across when fully opened, are of a deep rose color, creamy white at base of petals; exquisitely fragrant. 75c. and \$1.50 each.

Luteum (*American Lotus, Water Chinquepin*). A superb variety with yellow flowers. This variety is indigenous in the Western and Southern States. It has been introduced into the Eastern States, where, as a rule, it grows as freely as any native plant. 75c. each.

Note.—The prices given above are for tubers. Pot-grown plants can be supplied after June 1st at an advance of 25 per cent.

Tender Day-Blooming Water Lilies

Nymphaea, Mrs. C. W. Ward. A hybrid of *N. gracilis*, possessing all the good qualities of that variety, but is a stronger grower, flowers much larger, being from 8 to 10 inches in diameter, and borne on stout stems fifteen inches above the water. Color deep rosy pink with golden-yellow stamens; a most desirable variety for cutting. Certificated at New York by the Society of American Florists. \$2.50 each.

— **zanzibarensis.** A superb Water Lily and the darkest blue or purple of the genus; leaves deep green above, under surface suffused violet, 8 to 15 inches across. Flowers 6 to 10 inches in diameter; petals numerous, deep blue; sepals green outside, deep purplish blue within; back of anthers dark crimson-violet; very free-flowering and exquisitely fragrant. \$1.50 each.

— **azurea.** Similar to the type, but flowers opening wider and of a lighter blue color. 75c. each, \$7.50 per doz.

Nymphaea zanzibarensis rosea. Flowers rose of various shades, otherwise like the type, but opening earlier in the morning. 75c. each, \$7.50 per doz.

— **capensis—Thunb.** (*Syn. N. scutifolia, D. C.; N. Cœrulea, B. M. 552, and American Gardens*). Cape Blue Water Lily; flowers rich sky-blue, 6 to 8 inches across; sepals green outside, whitish within, flushed blue. A very desirable species and useful for cutting. 75c. each, \$7.50 per doz.

— **gracilis.** A Mexican species of great merit, and the only white day-flowering tropical species in cultivation. Leaves green, 15 to 17 inches across, deeply and irregularly sinuate, angles of lobes rounded; flowers white, 6 to 8 inches across; petals numerous, lanceolate; stamens deep yellow, distinct and free-flowering. The flowers standing a foot or more out of the water, and possessing a delicate fragrance. Desirable for cutting. \$1.00 each, \$10.00 per doz.

Tender Night-Blooming Nymphaeas

This class is equally as beautiful as the day-flowering sorts, and are especially desirable for cutting, opening as they do soon after sunset, and remaining open until near noon next day. The flowers open and close 3 or 4 days in succession, as do the Hardy Nymphaeas.

Devoniensis. This variety was the first hybrid of note; leaves 18 inches across, of dark bronzy green, under surface greenish brown; flowers pure red, 6 to 10 inches in diameter; a universal favorite. 75c. each, \$7.50 per doz.

Dentata (*N. ortigiesiana Planch.*). The largest-flowering and best white night-blooming Nymphaea. Flowers measure from 8 to 12 inches in diameter, opening out horizontally; leaves dark glossy green, heavily dentated. 75c. each, \$7.50 per doz.

Kewensis. Leaves dark green, slightly bronzy with a few brown blotches; young leaves more spotted on surface. Light pink flowers, 6 to 8 inches across. \$1.50 each.

Frank Trelease (*Crimson Devoniensis*). This superb tender night-blooming Water Lily surpasses all other red varieties by the brilliancy and depth of the rich, glowing dark crimson of its flowers, which are identical in form to *N. Devoniensis*, 9 to 10 inches in diameter; stamens reddish-bronze, crimson at the base; foliage 15 inches across, dentated, of a glossy dark bronzy red, resembling in color the foliage of Black Beauty Canna. \$2.50 each.

O'Marana. Leaves bronzy green, deeply dentated; margin occasionally crumpled; flowers of the largest size, 10 to 12 inches in diameter; petals pinkish red, with a nearly white streak up the middle; stamens orange. A vigorous grower and very free-flowering. \$2.50 each, extra size \$3.50 each.

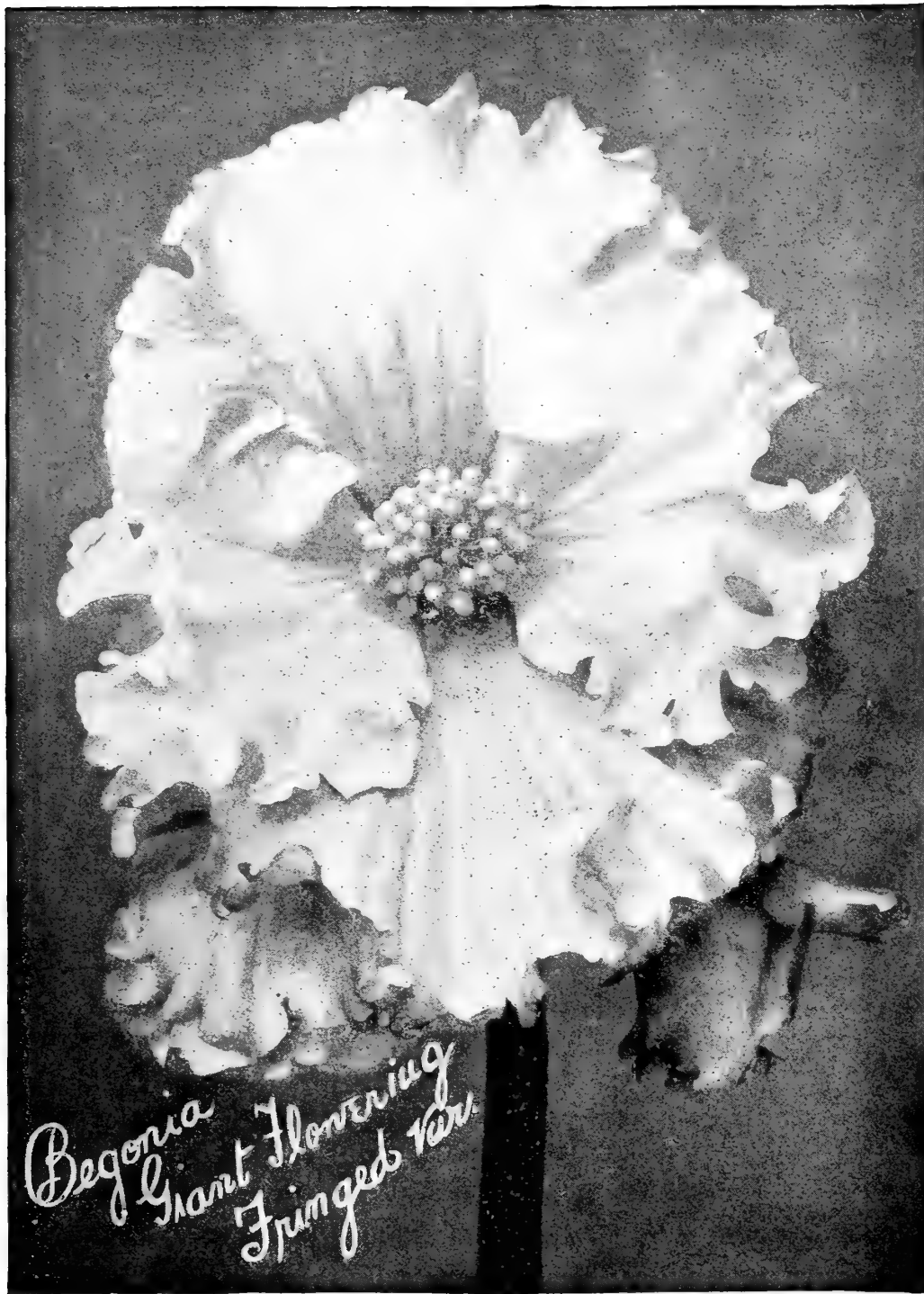
Rubra-rosea. One of the best red Water Lilies in cultivation; leaves bronzy green, blotched brown; flowers large and massive, 8 to 10 inches across, rosy carmine; petals broad at base, pointed; tips of stamens orange-brown. \$1.50 each.

Miscellaneous Aquatics Tender Varieties

Limncharis Humboldtii (*The Water Poppy*). A pretty little aquatic, with oval leaves, and yellow, poppy-like flowers, standing out of the water. Fine for growing in shallow water or an aquarium. 15c. each, \$1.50 per doz.

Myriophyllum proserpinacoides (*Parrot's Feather*). Long, trailing stems, clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, and much more delicate. Planted in a water-tight hanging basket, so water can be kept standing on the surface, it will trail finely. 10c. each, \$1.00 per doz.

SUMMER-FLOWERING BULBS



BEGONIAS

TUBEROUS-ROOTED

The beauty of this class of Begonias and their adaptability to almost all situations has made them a general favorite for Summer garden decorations. They are now being used in large quantities for bedding purposes. Their flowers, large and brilliant in color, bid fair to eclipse in popularity the Geranium. Plant about May 15.

SINGLE-FLOWERING

	Each	Doz.	100
White	5c.	50c.	\$4.00
Yellow	5c.	50c.	4.00
Nankeen	5c.	50c.	4.00
Pink	5c.	50c.	4.00
Rose	5c.	50c.	4.00
Red	5c.	50c.	4.00
Dark Red	5c.	50c.	4.00
Salmon	5c.	50c.	4.00
Orange	5c.	50c.	4.00
Mixed	5c.	40c.	3.00

DOUBLE-FLOWERING

	Each	Doz.	100
White	10c.	\$1.00	\$6.00
Yellow	10c.	1.00	6.00
Orange	10c.	1.00	6.00
Rose	10c.	1.00	6.00
Dark Rose	10c.	1.00	6.00
Dark Red	10c.	1.00	6.00
Red	10c.	1.00	6.00
Salmon	10c.	1.00	6.00
Mixed	10c.	.75	5.00

Collection. One each, single and double, 17 bulbs in all, for \$1.00.

Collection. 12 each, single and double, 204 bulbs in all, for \$10.00.

Begonia Duke of Zeppelin. Glowing orange red. Each 20c., doz. \$2.00, 100 \$15.00.

Begonia Lafayette. Beautiful deep scarlet. Each 25c., doz. \$2.50, 100 \$20.00.

AMARYLLIS

Formosissima. Each 10c., doz. \$1.00.

Johnsonii. The most satisfactory bulbous plant to grow; bright red striped white. Each 50c., doz. \$5.00.

Vittata Hybrids. Each \$1.00, doz. \$10.00.

Defiance. Each \$1.50, doz. \$15.00.

BESSERA ELEGANS

Coral Drops. If stored during Winter in a dry place and planted in the garden in the Spring, it can be grown with perfect ease; its umbels of bright coral like flowers open in succession during fully two months of the late Summer. The flowers are of vermilion red, variously marked with white on the inner surface; bright purple anthers. Height one to two feet. Each 5c., doz. 50c., 100 \$3.00.

BEGONIA

GIANT-FLOWERING FRINGED

	Each	Doz.	100
Orange	20c.	\$2.00	\$15.00
Rose	20c.	2.00	15.00
Red	20c.	2.00	15.00
White	20c.	2.00	15.00
Yellow	20c.	2.00	15.00
Salmon	20c.	2.00	15.00
Mixed	15c.	1.50	12.00



Caladium, or Elephant's Ear

GIANT WHITE SUMMER HYACINTH

Luxuriant, free growing Summer flowering plant, spreading two or three feet, throwing up great, tall spikes, four to five feet in height, each bearing 20 to 30 large white bell-shaped flowers, of the easiest culture and fine for groups.

5c. each, 50c. per doz., \$3.00 per 100.

If ordered by mail add 10c. per doz. for postage.



Giant White Summer Hyacinth

CALADIUM ESCULENTUM

One of the handsomest of the ornamental leaved plants. It will grow in any garden soil and is of the easiest culture. Plant in large pots for lawn decorations or for massing in beds; it is unsurpassed as a decorative plant. Plant about May 10.

Small	size,	10c. each,	\$1.00 per doz.
Medium	"	20c. "	2.00 "
Large	"	25c. "	2.50 "
Ex. Large	"	35c. "	3.50 "
Jumbo Bulbs,		50c. "	5.00 "

NEW HYBRID GLOXINIAS

The handsomest of our Summer blooming plants, the rich and varied coloring of the flowers being interesting in the extreme, many of them beautifully speckled; flowers three inches long by two inches in diameter, upright and pendulous; colors various and exceedingly rich in appearance.

Emperor Frederick. Red bordered white. Each 15c., doz. \$1.25.

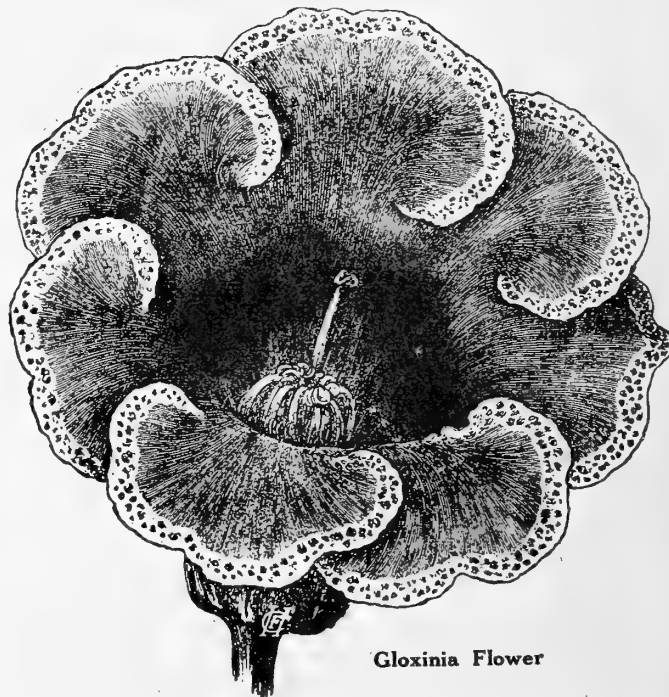
Emperor William. Violet bordered white. Each 15c., doz. \$1.25.

Princess Elizabeth. White bordered blue. Each 15c., doz. \$1.25.

Mont Blanc. Pure white. Each 15c., doz. \$1.25.

Violacea. Dark violet. Each 15c., doz. \$1.25.

Madame Helene. White crowned violet. Each 15c., doz. \$1.25.



Gloxinia Flower

Princess Mathilda. White bordered rose. Each 15c., doz. \$1.25.

Queen Wilhelmina. Dark rose. Each 15c., doz. \$1.25.

Defiance. Scarlet. Each 15c., doz. \$1.25.

King of the Reds. Deep scarlet. Each 15c., doz. \$1.25.

Prince Albert. Dark violet. Each 15c., doz. \$1.25.

Fine Mixed. Each 10c., doz. \$1.00.

Collections. One bulb each of the above 12 varieties, \$1.50; two collections, \$2.75; per 100 bulbs, assorted, 12 varieties, \$8.00.

CANNAS

Alphonse Bouvier. Deep rich velvety crimson. Height 6 ft. Ea. 5c., doz. 50c.

Alemannia. Flowers are enormous; surpass in size even those of the Canna "Italia." Outer petals scarlet with a very broad yellow border, inside scarlet and dark red. Height 6 ft. Ea. 10c., doz. 75c.

Austria. Giant golden yellow. Ht. 6 ft. Ea. 10c., doz. \$1.00.

Black Beauty. A fine foliage Canna, rich bronzy purple foliage. Height 6 ft. Ea. 15c., doz. \$1.50.

Buttercup. Intensely bright yellow. Height 3 ft. Ea. 10c., doz. \$1.00.

Chas. Henderson. Color brilliant deep crimson; broad deep green foliage. Height 2½ to 3 ft. Ea. 10c., doz. \$1.00.



A Field of Cannas



Canna Mlle. Berat

Crimson Bedder. Intense scarlet; free bloomer. Height 3 ft. Ea. 10c., doz. 75c.

Dr. Nansen. A fine pure yellow. Height 4 to 5 ft. Ea. 15c., doz. \$1.50.

Ex. Campbell. Bright cardinal red speckled with a darker shade; very dark green foliage. Height 5 to 6 ft. Ea. 10c., doz. 75c.

Egandale. Bronze foliage constantly crowned with a mass of cherry red flowers. Height 4 to 5 ft. Ea. 10c., doz. \$1.00.

Florence Vaughan. A standard golden yellow spotted red. Height 5 to 6 ft. Ea. 10c., doz. \$1.00.

Flamingo. Intense clear crimson. Height 5 to 6 ft. Ea. 10c., doz. \$1.00.

Gladiator. A new yellow Canna. A rugged, strong growing variety, which withstands our summer storms better than almost any other Canna. The flowers are bright yellow thickly spotted with crimson; blooms profusely. Heads are unusually large and borne on long, strong stalks with tough, deep green foliage. Height 5 to 6 ft. Ea. 15c., doz. \$1.50.

Italia. Brilliant scarlet flowers, spotted and deeply bordered with yellow. Height 5 to 6 ft. Ea. 5c., doz. 50c.

J. D. Eisele. Crimson scarlet with yellow throat. Height 5 ft. Ea. 10c., doz. \$1.00.

King Humbert. A brilliant orange scarlet with bright red shadings. Large trusses of blooms, the individual flowers being six inches in diameter. Foliage a rich reddish bronze with lighter shadings. It is broad and massive, giving the plant a sturdy and stately appearance. Height 5 ft. Ea. 30c., doz. \$3.00.

CANNAS—Continued



Canna President McKinley

Leonard Vaughan. Large scarlet red flowers, bronze foliage. Height 5 ft. Ea. 10c., doz. \$1.00.

Martha Washington. One of the best, and the most superb pink variety yet introduced. The flowers are very large and frequently have five broad petals; the trusses are immense; the color pure bright rose. Height 2½ to 3 ft. Ea. 50c., doz. \$1.00.

Mlle. Berat. The nearest approach to a pink in a first class bedder. Foliage green. Height 4 ft. Ea. 5c., doz. 50c.

Madame Crozy. Orange scarlet edged with yellow. Height 3 to 4 ft. Ea. 10c., doz. \$1.00.

President Cleveland. This variety has attracted widespread attention the past season, and is conceded to be one of the finest introductions of late years. Color is bright orange scarlet. A fine, compact, vigorous grower, throwing up numerous immense trusses with flowers of large size. Height 3 to 4 ft. Ea. 10c., doz. 75c.

Pres. McKinley. Bright crimson. Height, 3 to 4 ft. Ea. 10c., doz. 75c.

Pennsylvania. The flowers are often 7 to 8 inches across, with petals 2½ inches broad. It will produce double the number of flowers of any other of the giant flowering Cannas. Leaves deep green, of grand size and proportions. Its size, pure, deep scarlet color and profuse-blooming habit, place it at the head of giant flowering Cannas to date. Height 6 ft. Ea. 10c., doz. \$1.00.

Paul Marquant. Bright salmon flowers of very large size. Height 3 ft. Ea. 5c., doz. 50c.

Queen Charlotte. Scarlet deeply bordered with light yellow. Height 3½ ft. Ea. 10c., doz. \$1.00.

Robusta. This variety, with good cultivation, will grow fully 10 ft. high, with immense leaves, 4 ft. long, 1½ ft. in width, of dark bronze and green colors. Height 6 to 7 ft. Ea. 10c., doz. \$1.00.

Souv. d'Antoine Crozy. Very bright scarlet crimson, with broad border of golden yellow. Height 3 ft. Ea. 10c., doz. \$1.00.

Shenandoah. A splendid red or bronzed leaved variety. The foliage is rich ruby red, exquisitely veined and tinted like some rare hot house plant. It bears fine large trusses of beautiful waxy rose pink flowers, and, unlike other red leaved sorts, is a most early and abundant bloomer, highly ornamental, and sure to be in large demand when better known. The flowers are very much larger, and it blooms more freely than Egandale. Height 4 ft. Ea. 10c., doz. 75c.

Cannas: Tall, mixed. Ea. 5c., doz. 50c., 100 \$4.00.

Cannas: Dwarf French, mixed. Ea. 5c., doz. 50c., 100 \$4.00.



Canna Madame Crozy

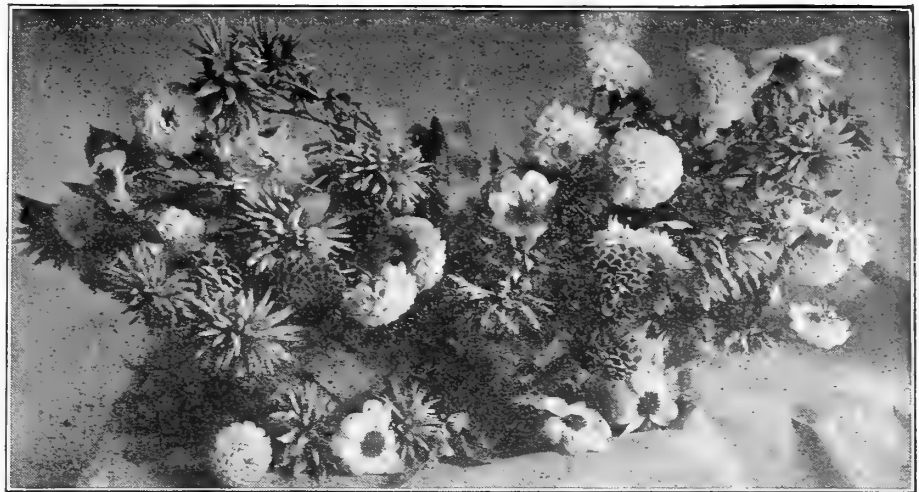
STUMPP & WALTER CO.'S NOVELTIES

DAHLIAS

CACTUS DAHLIAS (BULBS)

Aunt Chloe. Dark maroon shaded black; flowers of medium size, perfect cactus form with narrow pointed petals. Each 25c., doz. \$2.50.

Brunhilde. Color deep rich plum; large size, beautiful cactus form, a vigorous grower of branching habit; early and profuse bloomer.



Each 25c., doz. \$2.50

Bridesmaid. A beautiful combination of colors, pale primrose shading to pink; a very profuse bloomer. Each 25c., doz. \$2.50.

Coronation. One of the best bright red cactus dahlias. The plant is dwarf, branching and continually covered with vivid crimson scarlet flowers. Each 30c., doz. \$3.00.

Countess of Lonsdale. A pleasing blending of amber and salmon pink. Extremely profuse bloomer; one of the very best of its kind. Each 25c., doz. \$2.50.

Floradora. Color a dark velvety crimson; plant of medium height, branching habit and an extremely early and profuse bloomer. Best dark crimson for cut flowers. Each 30c., doz. \$3.00.

Goetlinde. Color the purest canary yellow, finely quilled flowers on erect slender stems above the foliage; of dwarf branching habit and continually in bloom. Each 50c., doz. \$5.00.

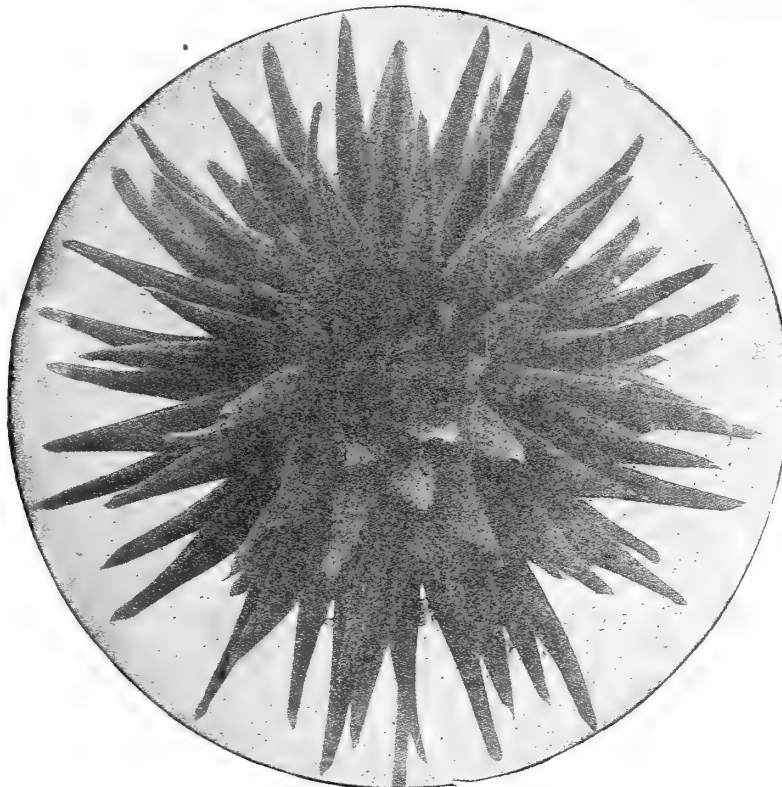
General Buller. Color a deep rich, velvety maroon tipped white. A very profuse bloomer; the flowers are borne on long stiff stems. Each 25c., doz. \$2.50.

Kriemhilde. Color is a fresh delicate pink shading to white in the center. The finest pink cactus dahlia introduced and, as a cut flower, likely to supersede all existing pink sorts. Each 30c., doz. \$3.00.

Venus. Color snow white; dwarf branching habit, a very profuse bloomer; a perfect pompon cactus. Each 30c., doz. \$3.00.

Volker. Clearest canary yellow; large exquisite cactus form. An early and extremely profuse bloomer. Each 30c., doz. \$3.00.

Winsome. Considered one of the finest white cactus dahlias to date. Flowers are very large with twisted, incurved petals, borne on long erect stems. Each 30c., doz. \$3.00.



Type of Cactus Dahlia

Victor Von Sheffel. Color a soft pink. It is of the same general form as Kriemhilde, but the petals are narrower, more pointed and the color much softer. A very valuable acquisition as a cut flower. Each 50c., doz. \$5.00.

Decorative Varieties (Bulbs)

Admiral Dewey. Brilliant imperial purple; finest form.

Black Beauty. Beautiful dark velvety maroon; distinct form.

Blue Oban. The nearest approach to blue found in dahlias; an early and profuse bloomer.

Clifford W. Bruton. The finest pure yellow decorative dahlia, of immense size, 5 to 6 inches in diameter; of chrysanthemum form and full to the center. A strong vigorous grower and an extremely profuse bloomer.

Eureka. Color clearest deep rose edged slightly lighter, giving it a soft and effective appearance.

Iridescent. A pleasant combination of colors, orange scarlet, overlaid rosy purple. Extremely early bloomer.

Mrs. Winters. Considered one of the finest formed decorative dahlias; very large. Color pure snow white.

Mrs. Charles Turner. Color a pure yellow, flowers of immense size, strong grower and profuse bloomer.

Maid of Kent. Cherry red tipped white, at times a solid color—a superb red.

Orange King. Rich glowing orange, extremely early and profuse.

Wm. Agnew. Best red ever introduced, of intense glistening scarlet crimson, immense size, perfect form and always a mass of color.

Zulu (The Black Dahlia). Jet black changing to black maroon as the flower fully expands.

All of the above Varieties 25c. each, \$2.50 per doz., Delivered Free in the U. S.

New and Rare Show Varieties—(Bulbs)



Type of Show Dahlia

This class has large, round and full flowers, all of solid colors, or edged and tipped darker

A. D. Livoni. Beautiful soft pink with quilled petals and full to the center; an early and profuse bloomer.

Armorer. Deep red, a strong vigorous grower and a profuse bloomer.

A. Pefferhorn. Large purplish crimson.

Apollyon. Color a very bright scarlet; an early bloomer.

Carol. A beautiful small show dahlia; pure white delicately tinted soft pink.

Japan Pink. Large deep pink with fringed petals resembling a chrysanthemum.

Miss Dodd. Very large pure yellow; a profuse bloomer.

Paul's Scarlet. Brightest scarlet.

Prince Bismarck. Very fine and large; rich plum color.

Queen Victoria. Deep yellow, finely quilled.

Storm King. One of the finest of all white show dahlias. A vigorous grower, producing large perfectly shaped flowers on long stiff stems.

Sport. A pure lavender.

25c. each, \$2.50 per doz., delivered free anywhere in the U. S.

Fancy Dahlias (Bulbs)

This class has flowers striped, tipped, mottled, penciled and variegated in almost every conceivable manner

Eloise. Blush pink shading to white while each petal is margined with deep glowing crimson.

Elegans. Rosy purple tipped and banded white; an early and profuse bloomer.

Fern Leaf Beauty. White striped deep crimson; the foliage of this variety is quite a contrast to all other foliage.

Frank Smith. A superb cut flower variety; color a rich dark purple maroon tipped pinkish white.

Keystone. Color pink striped crimson; flowers are very large; an extremely early bloomer.

Lucy Fawcett. Light yellow penciled and spotted carmine rose.

Leiberheimer. Color crimson tipped white, a very profuse bloomer.

Marie Gehring. Very large canary yellow striped delicate red.

Miss Browning. Purest buttercup yellow tipped snow white; the most beautiful and chaste of the entire collection; sometimes flowers are solid yellow.

Olympia. Color is a deep rose pink striped and penciled crimson; flowers of immense size, measuring 6 to 7 inches across, with full high center.

Progress. Color is a clear soft rosy lake beautifully penciled and spotted glowing crimson; under artificial light it has a soft pink effect. This variety is distinct in its class.



Type of Fancy Dahlia

Variegata. Ruby red shaded darker, tipped white. Very early and extremely profuse bloomer.

25c. each, \$2.50 per doz., delivered free in the U. S.

Pompon or Bouquet Dahlias (Bulbs)

Alewine. White flushed pink; fine form.

Allie Mourey. Light pink tipped deep pink.

Alba Imbricata. A superb white Pompon, considered by many the best for design work; strong vigorous grower; Profuse bloomer on long stems.

Darkness. Maroon shaded black; fine form.

Eleganta. The best pink Pompon; fine form.

Guiding Star. Pure white; a great favorite.

Golden Bedder. Deep golden yellow; extremely profuse bloomer.

Klein Domitea. Salmon buff; very profuse.

Little Naiad. Soft rosy lake tipped dark crimson.

Little Herman. Deep red tipped white; profuse bloomer.

May Cliff. Very fine rich purple.

Snowlad. The finest white Pompon to date, an early and profuse bloomer.

25c. each, \$2.50 per doz., delivered free anywhere in the U. S.



Type of Pompon Dahlia

"THE DAHLIA"

A practical treatise on the habits, characteristics, cultivation and history of the Dahlia. By L. K. Peacock. A beautifully illustrated book, given free with every order for Dahlias amounting to \$3.00. Price 30c.

S. & W. Co.'s New Seedling Single Dahlias (Bulbs)



Collection of New Seedling Dahlia Flowers

Nellie. Rosy purple with a white disc; good size; a profuse bloomer on long stems. **The Fairy.** Pure white suffused and overlaid delicate rosy lake; a very profuse bloomer.

Each 25c., per doz. \$2.50, delivered free anywhere in the U. S.

These varieties of single Dahlias are the cream of at least 20,000 seedlings, and are by far the finest single Dahlias ever offered, and should be grown in every collection.

Advancement. Bright crimson shading to maroon with a light disc around the center.

Ami-Downie. Intense crimson scarlet; foliage very distinct.

Ami Barrillet. Color the richest garnet with rich purplish maroon foliage.

Buttercup. Rich yellow shaded darker; of dwarf branching habits.

Fashion. Crimson maroon flamed purple, light disc.

Gracie. Color is a snow white suffused delicate blush shading to soft pink at the center of the flower.

John Downie. Intense crimson scarlet; a profuse bloomer.



Field of Gladiolus.

GLADIOLUS

If ordered by mail, add 10c. per doz. for postage; the prices listed are for express only, buyer paying express charges.

The Gladiolus is the most beautiful of the summer-flowering bulbs, bearing tall spikes of flowers of almost every desirable color—brilliant scarlet, crimson, creamy white, striped, yellow and blotched. They may be planted from the first of April until June, and will do well in any good garden soil. Before hard frost, take up the bulbs, remove the tops, allow them to dry in the air for a few days, and store in some cool place, safe from frost, until spring.

Trial Grounds Mixture. This mixture comprises, some of all the varieties we catalogue, and where a first-class mixture is wanted we can safely recommend it, as we know that it will give entire satisfaction. Price, per doz. 35c., per 100 \$2.00, per 1000 \$15.00.

General Mixture. Per doz. 25c., per 100 \$1.50, per 1000 \$12.00.

Good Mixture. Per doz. 20c., per 100 \$1.25, per 1000 \$10.00.

Lemoines Mixed. Per doz. 30c., per 100 \$2.00, per 1000 \$15.00.

Lemoines, Extra Fine, Mixed Per doz. 50c., per 100 \$3.50, per 1000 \$30.00.

Childsii Mixed. Per doz. 50c., per 100 \$3.50, per 1000 \$30.00.

	Doz.	100	1000
Pink and Rose mixed	\$0.40	\$2.50	\$20.00
Yellow and Orange .....	.75	5.00	45.00
Striped and Variegated .....	.50	3.50	30.00
White and Light.....	.40	3.00	25.00
Scarlet and Red.....	.25	1.50	12.00

NAMED VARIETIES

	Each	Doz.	100
Augusta , pure white blue anthers....	\$0.10	\$0.75	\$5.00
Brenchleyensis , vermillion scarlet....	.5	.50	3.00
Baron Staffe , creamy white, red throat.....	.10	1.00	8.00
Ceres , pure white spotted purplish rose	.5	.50	3.00
Gil Blas , salmon rose, fire red blotch	.10	1.00	8.00
Geo. Paul , crimson red, mottled.....	.10	1.00	8.00
Jane Dieulafoy , white-flaked pink.....	.25	2.50	20.00
May , pure white, flaked rosy crimson...	.5	.50	3.00

	Each	Doz.	100
Mad. Monneret , delicate rose	\$0.05	\$0.40	\$2.50
Mrs. Beecher , rosy crimson, white throat, marked and spotted.....	.10	.60	3.50
Shakespeare , white very slightly suffused, with carmine-rose, large rosy blotched.....	.15	1.25	8.00
Senator Volland , very large flowers, pure blue, dark violet blotch, with a yellow stain, striped blue.....	.50	4.00	30.00

Collection, 1 bulb each above 12 varieties, \$1.30, postpaid

Collection, 12 bulbs each above 12 varieties (144 bulbs), \$12.00, express prepaid

GLADIOLUS AMERICA

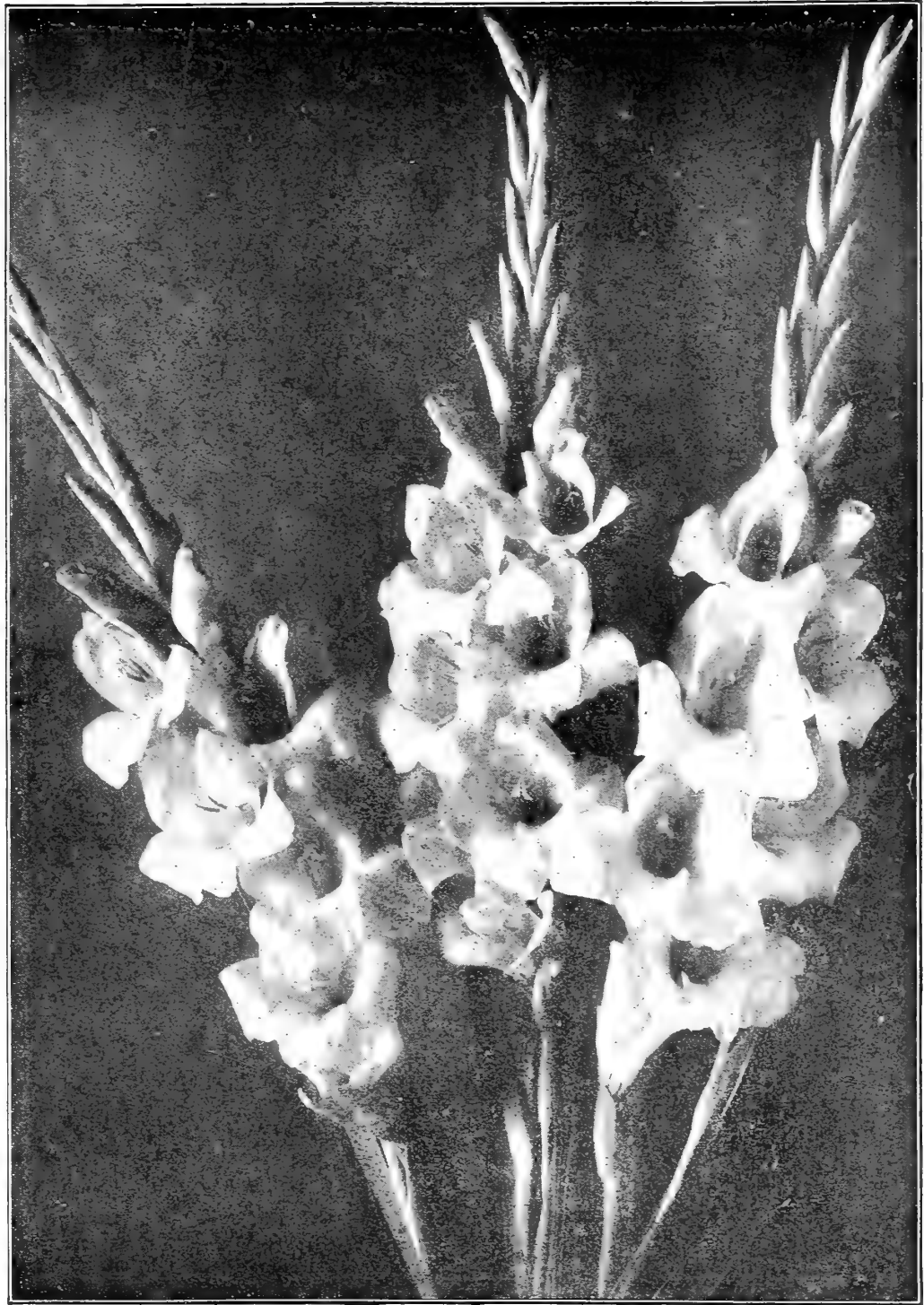
The accompanying illustration shows a single spike of what is probably the finest pink flowered gladiolus produced to date. The variety is one that was raised by Frank Banning, and was originally named Reuben H. Warder. The stock of it was purchased by John Lewis Childs last Spring, however, who renamed it America, a fitting title for such a beautiful colored variety. We give below the grower's description, which fits America exactly.

Color: A beautiful soft flesh pink, very light and much like that of Enchantress carnation, except slightly tinged with lavender which gives it the delicate coloring of the most beautiful lœlias. Words fail to do justice in describing this grand and glorious color; it must be seen to be appreciated.

Size: Growth is very strong and healthy, producing a beautiful dark green foliage and a strong, erect spike of the largest flowers, well set to show to the best advantage.

Purposes: For florists' use its color makes it everything to be desired; delicate, attractive and absolutely new, no other color in gladiolus like it or one-half so beautiful. It has created a sensation in the cut flower markets, selling for more than five times the price of other varieties.

For bedding: Its exceptionally rich dark green foliage and erect spikes of extra large and beautiful flowers make it most desirable for planting in beds in parks, private estates, etc. **Each 20c., doz. \$2.00, 100 \$12.00.**



Gladiolus America

GLADIOLUS PRINCEPS

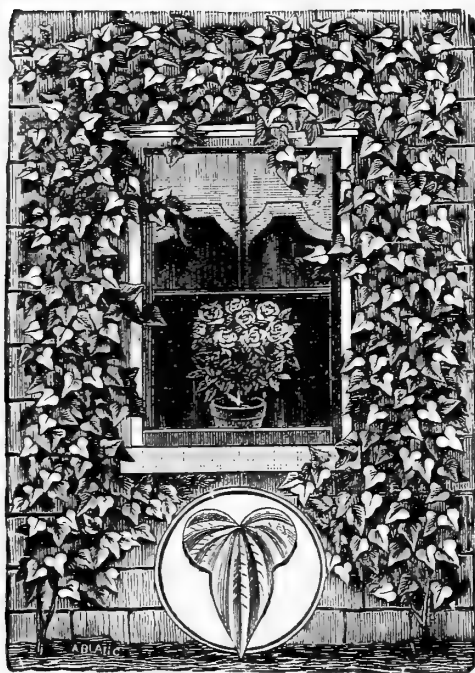
Hybrid between the rare African Gladiolus cruentus and a selected Childsii seedling. Grows 4 feet high with broad healthy foliage. Spike erect and often 18 inches long, bearing 16 to 22 immense broad petaled circular flowers, opening flat and perfect, 5 to 7 inches across. Color true Savia scarlet with cream white feathering on lower petals. Endures the sun and wind well. **Each 20c., doz. \$2.00, 100 \$15.00.**

GROFF'S HYBRIDS MIXED

A very popular and high grade mixture. **Doz. 35c., 100 \$2.00, 1000 \$15.00.**

S. & W. CO.'S EXCELSIOR MIXED

The most popular strain in America. These are much more vigorous than others. They are very tall and erect, often standing 4 or 5 feet high, with spikes of bloom over 2 feet long. The flowers are of great substance and of gigantic size, frequently 7 to 9 inches across. Every color known among Gladioli is represented, and many never before seen, particularly blues, smoky grays and purple blacks, all having beautifully mottled and spotted throats, made up of white, crimson, pink, yellow, etc. **Mammoth Bulbs: Each 10c., doz. 75c., 100 \$3.50, 1000 \$30.00.**



Cinnamon Vine.

Germania. Very large orange scarlet, the best new variety. Per doz. \$1.25, 100 \$9.00.

Golden Sheaf. Pure golden yellow. Per doz. 50c., 100 \$4.00.

Sunbeam. Rich yellow spotted brown, large flowers. Per doz. 20c. 100 \$1.50.

Sunset. Golden yellow. Per doz. 20c., 100 \$1.50.

Pottsi Grandiflora. Inside golden, outside bright red. Per doz. 20c., 100 \$1.50.

Fine Mixed. Per doz. 15c., 100 \$1.00.

TUBEROSE, Double Excelsior Pearl

If ordered by mail add 10c. per doz. for postage.

This pure white, perfectly double, fragrant flower is too well known to need any description. Plant when the ground is warm, in good, rich soil. Our bulbs are extra selected, first size, and are sure to flower if properly treated. Each 5c., doz. 35c., 100 \$2.00. Mammoth bulbs, each 10c., doz. \$1.00, 100 \$4.00.

TIGRIDIAS

Extremely handsome summer-flowering bulbs, growing about 2 feet high, producing large, gorgeous flowers, exquisitely spotted; flowers profusely throughout the summer. Separate colors of yellow, crimson and white. Each 5c., doz. 50c.

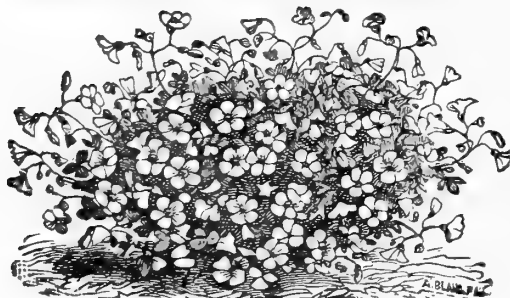
OXALIS, Summer-Flowering

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession.

Lasiandra. Rosy pink. Per doz. 10c., 100 50c.

Deppei. Rosy white. Per doz. 10c., 100 50c.

DIELYTRA SPECTABILIS, or Bleeding Heart



Oxalis.

Dioscorea Batatas. A beautiful rapid-growing summer climber, with bright green glossy foliage, and spikes of deliciously cinnamon-scented white flowers. It is perfectly hardy, the stem dying down in winter but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Large select roots. Each 5c., doz. 50c., 100 \$3.00.

CINNAMON VINE

MILLA BIFLORA

Mexican Star Flower. A beautiful summer-blooming bulb, for sunny positions. A row or bed of them is always in flower after the middle of summer and very attractive. Flowers star-shaped, 1½ inches across, clear waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; we have seen 11 stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height, 12 to 18 inches. 3c. each, 30c. per doz., \$2 00 per 100.

MONTBRETIAS

Hardy summer-flowering, bulbous plants, with brightly colored flowers borne on long graceful spikes. Valuable for cutting. They should be planted in groups and left undisturbed.

Bouquet Parfait. Vermilion, deep golden center. Per doz. 30c., 100 \$2.00.

Star of Fire. Bright vermilion, center yellow, outside blood red. Per doz. 40c., 100 \$3.00.



A well-known ornamental spring-flowering plant with green foliage, and bearing racemes of pink and white heart-shaped flowers. Plant as soon as the ground can be worked. They may be left undisturbed for years. Each 15c., per doz. \$2.00. By express only.

MADEIRA VINE

The old favorite "Climbing Mignonette." Thick, glossy leaves, and long, hanging stems of feathery, fragrant white flowers. 2 for 5c., 25c. per doz., \$2.00 per 100

LILIES

All Lilies delight in rich soil, such as is afforded by a mixture of loam and well-rotted manure. When grown in the border or open ground they should remain undisturbed for years, frequent removals being injurious. In the Autumn give the bulbs a heavy mulching of leaves; coarse manure or boughs will prove highly beneficial. Plant all Lilies at least six inches deep. When Lilies are ordered at 100 rates buyer pays transit.

L. AURATUM (The Golden-rayed Lily of Japan). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

Circ.	Each	Doz.	100
8 x 9	15c.	\$1.50	\$10.00
9 x 11	20c.	2.00	12.00
11 x 13	30c.	3.00	20.00

L. LANCIFOLIUM OR SPECIOSUM.

These varieties are perhaps the most popular Lilies grown, being easy of cultivation, and produce large flowers of delicate beauty and strong stems; height from 2 to 4 feet; bloom in August. The varieties are:

L. Lancifolium Album. White. Circ. 8 x 9, each 15c., doz. \$1.50, 100 \$10.00; 9 x 11, each 20c., doz. \$2.00, 100 \$12.00; 11 x 13, each 30c., doz. \$3.00, 100 \$20.00.

L. Lancifolium Roseum. White shaded and spotted with rose. Circ. 8 x 9, each 15c., doz. \$1.50, 100 \$10.00; 9 x 11, each 20c., doz. \$2.00, 100 \$12.00; 11 x 13, each 30c., doz. \$3.00, 100 \$20.00.

L. Lancifolium Rubrum. White shaded with deep rose and spotted red. Circ. 8 x 9, each 15c., doz. \$1.50, 100 \$10.00; 9 x 11, each 20c., doz. \$2.00, 100 \$12.00; 11 x 13, each 30c., doz. \$3.00, 100 \$20.00.

L. Lancifolium Melpomene. Rich blood crimson, heavily spotted. Circ. 8 x 9, each 15c., doz. \$1.50, 100 \$10.00; 9 x 11, each 20c., doz. \$2.00, 100 \$12.00; 11 x 13, each 30c., doz. \$3.00, 100 \$20.00.

L. LONGIFLORUM. Pure white trumpet shaped flowers, 5 to 7 in. in circ., 10c. each, 75c. doz.; 7 to 9 in. in circ., 15c. each, \$1.50 doz.; 9 to 11 in. in circ., 30c. each, \$3.00 doz.

L. TIGRINUM (Tiger Lily). Orange salmon. 10c. each, \$1.00 doz., \$6.00 per 100.

L. TIGRINUM FL. PL. (Double Tiger Lily). 15c. each, \$1.50 doz., \$8.00 per 100.

COLD STORAGE

LARGE-FLOWERING "RUSSIAN" LILY OF THE VALLEY

All lovers of Lily of the Valley should not fail to give our "RUSSIAN" Valley a trial. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily of the Valley growers. The Russian Valley produces strong spikes of flowers, about 15 inches in height, bearing from 12 to 20 extra large pure white bells, which are delightfully fragrant. We make a specialty of Lily of the Valley, and are prepared at all times to supply from our Cold Storage Warehouse in original cases of



LILY OF THE VALLEY

Clumps for outside planting. These clumps planted in the early spring will flower the same season. Are perfectly hardy and will last for ever when once planted. Each clump will produce 25 to 30 sprays of flowers.

50c. each, \$3.00 per doz.



250
S & W FAMOUS RUSSIAN VALLEY Co
for \$6.00

500
S & W FAMOUS RUSSIAN VALLEY Co
for \$11.00

1000
S & W FAMOUS RUSSIAN VALLEY Co
for \$21.00

2500
S & W FAMOUS RUSSIAN VALLEY Co
for \$48.00



American Beauties

ROSES

Best Everblooming Roses

This section of Roses are continuous bloomers the entire Summer, but are not entirely hardy in this section, and should be protected during the Winter months with a covering of straw or any material handy. To obtain the best results, in addition to the covering of the tops, protect around the roots with 5 to 6 inches of well-rotted manure. This will give added strength to the plants, and additional bloom the following Summer.

American Beauty. Bright light crimson, Ea. 40c., doz. \$4.00, 100 \$30.00.

Belle Lyonnaise. Deep yellow changing to salmon. Ea. 40c., doz. \$4.00., 100 \$30.00.

Caroline Testout. Bright satin rose, with brighter center; large, full and globular; very free and sweet; a valuable rose. Ea. 40c., doz. \$4.00, 100 \$30.00.

Captain Christy. Delicate fleshy white, the center richer in color; very large and full; most useful early and late. Ea. 35c., doz. \$3.50, 100 \$25.00.

Etoile de France. Color velvety crimson, center vivid cerise red; blooms very large, full and magnificent; cupped form; very beautiful. Ea. 50c., doz. \$5.00.

Gloire de Dijon. Buff, orange center, very large and double, the first to flower, and keeps on till the very last; the hardiest of any of the tea roses, and very sweetly scented; good in any situation. Ea. 40c., doz. \$4.00, 100 \$30.00.

Gruss an Teplitz. Brightest scarlet crimson; very free flowering and one of the best garden roses. Ea. 40c., doz. \$4.00, 100 \$30.00.

Kaiserin Augusta Victoria. Beautiful primrose white; one of the freest bloomers, fine shaped buds and a good full rose when fully open. Ea. 40c., doz. \$4.00, 100 \$30.00.

La France. Beautiful bright pink rose, large, full and fine form; free blooming and one of the best; early and late; very highly perfumed. Ea. 30c., doz. \$3.00, 100 \$20.00.

Killarney. Flesh shaded white, suffused pale pink; the blooms are large, the buds very long and pointed; petals very large and of great substance; a lovely and distinct rose of great merit. Ea. 50c., doz. \$5.00, 100 \$35.00.

Maman Cochet. Pink carmine mingled with salmon yellow, large and full; superb. Ea. 40c., doz. \$4.00, 100 \$30.00.

Perle des Jardins. Deep straw yellow, sometimes deep canary yellow; large and double; this rose is most beautiful. Ea. 50c., doz. \$5.00, 100 \$35.00.

Soleil d'Or. A cross between Persian Yellow and a hybrid perpetual; color varying from orange yellow to reddish gold, shaded with nasturtium red; conical shaped buds opening to large, full, flat-shaped flowers; perfectly hardy and free blooming. Ea. 50c., doz. \$5.00, 100 \$35.00.

Wm. Allen Richardson. Very deep orange yellow; small, but very showy and distinct. Ea. 40c., doz. \$4.00, 100 \$30.00.

White Maman Cochet. A sport from Maman Cochet, which it resembles in every particular except color, which is pure white occasionally tinged with blush. Ea. 40c., doz. \$4.00, 100 \$30.00.

Collection: One each of the above 15 varieties of Everblooming Roses for \$6.00, express paid.

NEW CLIMBING ROSE LADY GAY

Cherry pink color, fading to soft white; growth very vigorous and very floriferous; a splendid variety for forcing as well as outdoor planting. Large field grown, each 50c., dozen \$5.00.



New Climbing Rose Lady Gay

HARDY CLIMBING ROSES

CRIMSON RAMBLER

Magnificent pyramidal clusters of rich crimson roses. Every cluster a perfect bouquet of roses in itself. Grows ten to twenty feet in a year. The flowers are produced in trusses, pyramidal in shape, good specimens, measuring nine inches from base to tip and seven inches across, fairly covering the plant from the ground to the top, so that it is one mass of glowing crimson. The color is superb and remains strong and vivid to the end. The profusion of bloom is marvelous.

WHITERAMBLER

Related to the Crimson Rambler, closely resembling it in vine and foliage. The flowers remain on the plant from three to five weeks, and keep long when cut. The plant is perfectly hardy, equal in this respect to the Crimson Rambler.

PINK RAMBLER

This beautiful variety is from the same source as the White Rambler; fully the equal of it in hardiness, vigor, size and profusion of flowers and blooming qualities.

YELLOW RAMBLER

This promises to supply that "long-felt want," a double yellow hardy climbing rose, a thing which has been sought after the world over. It is perfectly double, very fragrant, entirely hardy.

DOROTHY PERKINS

The handsomest of all the cluster climbing roses; flowers rose pink, clusters very large and abundant.

Price, any of the above varieties: Small plants, each 15c., dozen \$1.50. Medium plants, each 25c., dozen \$2.50. Large plants, each 50c., dozen \$5.00.

BEDDING ROSES

Hermosa, Bright rose. Each 35c., doz. \$3.50.

Baby Rambler. The best bedding rose: a continuous and free bloomer; very hardy and should be grown in every garden. Small plants, each 25c., doz. \$2.50. Large 2-year-old plants, each 50c., doz. \$5.00

MOSS ROSES

Blanche Moreau. Pure white; perfect form; well mossed; the finest White Moss Rose. Each 40c., dozen \$4.00.

Crested Moss. Pale rose; buds beautifully crested. Each 35c., dozen \$3.50.

Glory of the Mosses. Carmine rose. Each 25c., dozen \$2.50.

Little Gem. Crimson flowers, beautifully mossed. Each 40c., dozen \$3.50.



An Arbor of the Climbing Rose, Crimson Rambler

STANDARD OR TREE ROSES

Our Standard Roses are extra strong, budded on selected heavy canes, and have always given excellent satisfaction wherever sold. Standard Roses should always be covered with straw or some other material to protect them during the winter; staking is also necessary to keep them straight.

Baroness Rothschild. Pale rose. Each \$1.50, doz. \$12.00.

Caroline Testout. Satin rose. Each \$1.50, dozen \$12.00.

General Jacqueminot. Brilliant crimson. Ea. \$1.50, dozen \$12.00.

Gabriel Luizet. Silvery pink. Each \$1.50, dozen \$12.00.

Magna Charta. Bright pink. Ea. \$1.50, doz. \$12.00.

Mrs. John Laing. Soft pink. Ea. \$1.50, doz. \$12.00.

Paul Neyron. Deep rose. Each \$1.50, doz. \$12.00.

Ulrich Brunner. Cherry crimson. Each \$1.50, dozen \$12.00

Victor Verdier. Bright rose, carmine center. Each \$1.50, dozen \$12.00.

Margaret Dickson. White, flesh center. Each \$1.50, dozen \$12.00.

Gloire de Dijon. Buff, orange center. Each \$1.50, dozen \$12.00.

Crimson Rambler. Standard form. Each \$1.50, doz. \$12.00.

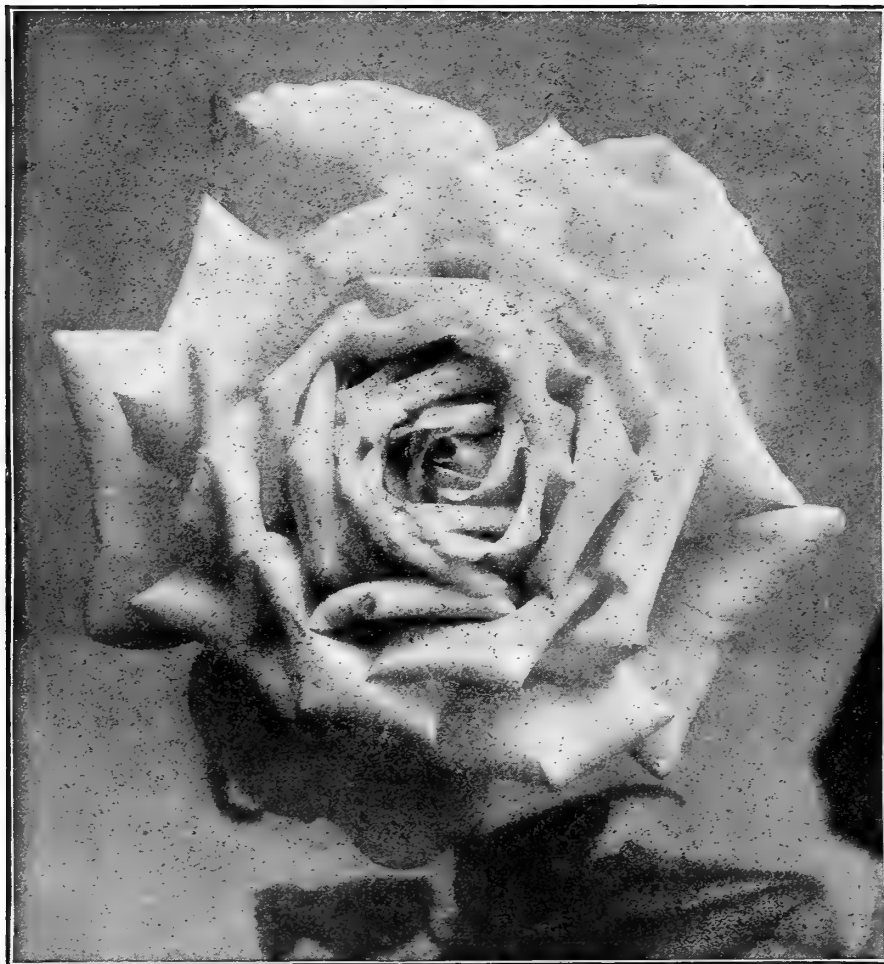
Baby Rambler. Standard form. Each \$1.50, dozen \$12.00.

Frau Karl Druschki. Pure white. Each \$1.50, dozen \$12.00.

Kaiserin Augusta Victoria. Primrose white. Each \$1.50, dozen \$12.00.

Fisher Holmes. Deep crimson scarlet. Each \$1.50, dozen \$12.00

Collection: One each 16 varieties Standard or Tree Roses for \$16.00, express paid.



Hybrid Perpetual Rose

Margaret Dickson. White, pale flesh center, petals very large, shell shaped, and of immense substance, magnificent form; growth very vigorous; a very fine variety. Each 40c., doz. \$4.00, 100 \$30.00.

Marshall P. Wilder. Cherry rose and carmine; a good rose for garden. Each 35c., doz. \$3.50, 100 \$25.00.

Magna Charta. Bright rose, very large and full; fine, early in the season. Each 35c., doz. \$3.50, 100 \$25.00.

Mrs. John Laing. Soft pink, very large and fine form; a good grower and abundant bloomer; a variety of special merit. Each 35c., doz. \$3.50, 100 \$25.00.

Mme. Gabriel Luizet. Light silvery pink; very free bloomer; a grand flower and quite distinct; best in early season. Each 30c., doz. \$3.00, 100 \$20.00.

Paul Neyron. Deep rose, flowers of enormous size, with fine foliage and growth. Each 35c., doz. \$3.50, 100 \$25.00.

Prince Camille de Rohan. Deep velvety crimson, large, full and fine form; very beautiful. Each 35c., doz. \$3.50, 100 \$25.00.

Ulrich Brunner. Cherry crimson, of large size; fine form; a good garden or exhibition rose. Each 40c., doz. \$4.00, 100 \$30.00.

Collection: 16 Roses, one each of the above, for \$5.00, express paid.

Collection: 12 Roses, our selection, for \$3.00, express paid.

ROSE BABY RAMBLER

This is one of the most satisfactory of all the bedding roses, perfectly hardy, and is a mass of bloom from beginning of Summer until frost. Strong 2-year-old plants: Each 50c., doz. \$5.00, 100 \$35.00. Strong 1-year-old plants: Each 25c., doz. \$2.50, 100 \$20.00. Small plants: Each 15c., doz. \$1.50, 100 \$10.00.

BEST HARDY GARDEN ROSES

These are specially grown for us by one of the leading rosarians of England, where roses develop firm wood and fibrous roots. They are much better adapted to our severe and changeable climate than the soft-wooded plants grown on the meadows of Holland, so generally sold here, and which so frequently cause disappointment.

Roses should be planted with the diverging roots at least nine inches below the surface of the ground, the soil made firm about them and liberally watered.

Our collection comprises the most select sorts of all colors and of the finest forms.

Hybrid Perpetuals

This class of Roses are perfectly hardy and bloom during June, with an occasional bloom in the Autumn, and do not necessarily require protection in Winter.

Anna de Diesbach. Lively carmine. Each 30c., doz. \$3.00, 100 \$20.00.

Alfred Colomb. Bright red, very large, full and globular; free blooming and fragrant; a grand rose. Each 30c., doz. \$3.00, 100 \$20.00.

Baroness Rothschild. Very beautiful pale rose; large and superb form. Each 30c., doz. \$3.00, 100 \$20.00.

Frau Karl Druschki. Snow white; petals shell shaped; very large, full, perfectly formed; opening well; a superb rose. Each 50c., doz. \$5.00, 100 \$35.00.

Fisher Holmes. Deep crimson scarlet; full and perfect form. Each 30c., doz. \$3.00, 100 \$20.00.

General Jacqueminot. Brilliant crimson scarlet; large and full; very fragrant; an excellent variety for all purposes. Each 30c., doz. \$3.00, 100 \$20.00.

Mabel Morrison. Pure white, not much substance. Each 30c., doz. \$3.00, 100 \$20.00.



Baby Rambler



PEONIES

	Each	Doz.
Agnes Mary Kelway. Outer petals rosy pink, center yellowish; one of the earliest to flower . . .	\$0 50	\$5 00
Agida. Dark red; fine full flower	25	2 75
Alba Plena. Pure white; fine strong plant, good for cut flowers	25	2 50
Boule de Niede. Sulphur white, with carmine tips on some of the petals	75	7 50
Caroline Allain. Blush white	25	2 50
Canary. White tinted primrose; very handsome, large, full flower	75	8 00

	Each	Doz.
Charles Leveque. Delicate rose, large erect flower, very pretty when partly open; one of the finest rose colored varieties	\$1 50	\$15 00
Cytheria. Creamy white tinted rose; an exceptionally fine cut flower variety, very strong stem and a good grower	50	5 00
Duchesse de Nemours. Pure white, perfect flowers, extra fine	75	7 50
Duke of Wellington. White yellowish center; perfect flower; very fragrant.	75	8 00
Festiva Maxima. Early; very large and full shell-shaped flower, often 6 to 8 inches in diameter, stems 3 to 3½ feet; color snow white shading to delicate creamy white at base of petals, with an occasional clear purple spot on edges of center petals; very fragrant. The finest early white . . .	75	8 00
Fragrans. Red; good bloomer; long stems; a very good variety	35	3 50
Francis Ortegal. Purplish crimson	50	5 00
Hamlet. Red; good flower	25	2 50
Hume; Carnea. Clear cherry pink; strong grower; large, very full, highly cinnamon scented flower; very late; graceful habit. An excellent variety for cut flowers	50	5 00
Lady Leonora Bramwell. Compact, vigorous habit; color delicate silvery pink shaded lilac and chamois; three nankeen petals tipped with crimson at the center; good keeper and shipper . .	75	7 50

Mary Lemoine. Very large; ivory white bloom shaded pink and chamois; strong stems of medium height; late bloomer; excellent variety; scarce . .	1 50	15 00
Mme. Calot. Pinkish white tinted with flesh color	25	2 50
President Roosevelt. Light soft rose; long strong stems, very large solid bud. A most robust plant; dark green foliage; very free from rust . .	2 50	25 00
Pulcherrima. Rose violet, center rose and salmon; a good variety for collection	20	2 00
Queen Victoria. Large, full, compact bloom, with fine broad guard petals; opens flesh white center petals tipped with red blotches. One of the best cut flower varieties, as it is an exceptional shipper and keeper	35	5 50
Reevesii Plena. Rosy flesh, red blotch on center petals	25	2 50
Richardson's Rubra Superba. Brilliant deep crimson; the latest of all Peonies to bloom; very fragrant; the best keeper	50	5 00
Rubra Triumphans. Rich glowing crimson	35	3 50
Pink Shades Mixed	\$0 20	\$2 00
Red " "	15	1 50
White " "	25	2 50
Trial Grounds Mixture. This mixture is splendid where a first-class lot of varieties are wanted for borders or massing . . .	15	1 50
Collection: 12 roots, in 12 named varieties, our selection, \$4.00.		12 50
Collection: 1 each of the 25 varieties listed for \$12.50.		

JAPANESE OR ANEMONE FLOWERED PEONIES

Our stock of Herbaceous Peonies is imported direct from our grower in Japan and our collection of these embraces the finest and best varieties in the world. While the price that we ask for them may seem rather high, remember the roots that we offer are large, undivided field grown, and about four times the size of those generally supplied by other dealers.



Anemone Flowered Peonies

- No. 1.** Pink tipped white variegated center.
- No. 2.** Blush petals, large full chrysanthemum center.
- No. 3.** Pink tipped white, white shaded center.
- No. 5.** Rose shaded white, crimson tipped with orange center.
- No. 6.** Blush with rose at base of petals, yellow center.
- No. 11.** Purplish rose with variegated center, very handsome.
- No. 13.** Rose and white with dark rose at base of petals, full orange center.
- No. 14.** Violet red, full variegated yellow and maroon center.
- No. 16.** Handsome pure white.
- No. 23.** Red shading to wine color, chrysanthemum shaped center of gold.
- No. 26.** Twisted and curved petals of rose, cardinal white, variegated center.
- No. 27.** Solid dark scarlet red, very handsome.

Price, each 75c.; collection of 12 named varieties as above, \$7.50.

Hardy Azaleas

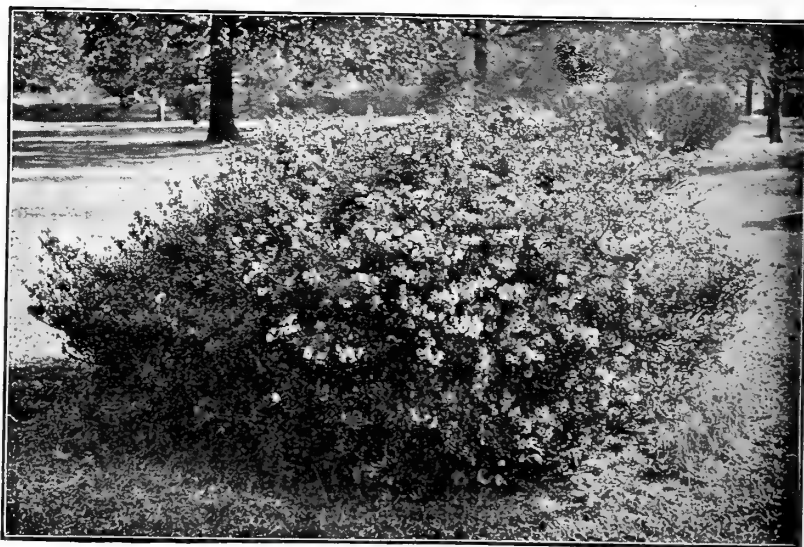
Azalea Amoena. A well known variety of moderately bushy habit. It is thoroughly hardy when planted where it gets the best protection. Flowers deep pink, during May and June. An exceedingly handsome and satisfactory shrub.

	Each	Doz.	100
Price, 2 in. pot plants.....	\$0.15	\$1.50	\$10.00
" 8 to 10 in. high, 8 to 10 in. spread.....	.35	3.50	25.00
" 14 in. high, 12 to 14 in. spread.....	.75	8.00	60.00
" 15 to 18 in. high, 15 to 18 in. spread.....	1.00	10.50	85.00
" 18 to 20 in. high, 18 to 20 in. spread.....	2.00	23.00	
Specimen Plants.....	5.00	50.00	

Azalea Hinondigire. Similar to Amoena in habit of growth, but the flowers are darker and more dazzling in color. Plants 12 in. in diam., each 75c., doz. \$7.50, 100 \$50.00.

Azalea Mollis. Rather slow growing shrub, producing a profusion of blooms in the early Spring, which literally cover every twig and branch. The colors run through various shades of red, yellow, orange and white. The blooms are very large, perfect in form, and borne in dense clusters, resembling somewhat the early Rhododendron. They are perfectly hardy, thriving in any sunny situation. Strong, vigorous, bushy plants, fully acclimated, transplanted several times. Price each: 16 in. across, 60c.; 18 in. across, \$1.00; 20 in. across, \$1.50.

Azalea Mollis. Standard form. Pretty little tree shaped plants, 2½ feet high, with heads 16 inches across. Price \$1.50 each.



Azalea Amoena

CLEMATIS

Large-Flowering Varieties

The Clematis we offer this season are exceptionally fine strong plants, two years old; we have reduced the number of varieties to such sorts as from experience we know to succeed best in our climate. Many failures in the growing of Clematis are the result of too shallow planting; the crown of the roots should be set at least 3 inches below the surface of the soil. For covering walls, trellises and verandas they have scarcely an equal.



Clematis, M. Koster.

SMALL-FLOWERING VARIETY

Paniculata (*Japanese Virgin's Bower*). This handsome hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber, and even did it not flower at all it would be one of our most desirable vines. The flowers appear in the greatest profusion during August, and continue until late in the fall, are of a white color and most deliciously fragrant. The plant succeeds in almost any position; not only is it well adapted to run up all kinds of supports, but is just as useful for planting among rockwork, sloping banks, covering graves, or, in fact, any position where a graceful vine is desired. Strong two-year-old plants, each 25c., doz. \$2.50; strong one-year-old plants, each 15c., doz., \$1.50.

Hollyhocks, Superb Double. Few hardy plants combine as many good qualities as the hollyhock. The hollyhocks require a rich, deep soil, well drained, and will repay in quantity and elegance of bloom any extra care. We offer well-established, thrifty young plants which will flower this season in white, yellow, pink, bright red, maroon and sulphur, at 20c. each, per doz. \$2.00; strong pot-grown plants, per doz. \$2.50, per 100 \$20.00.

Jackmanni. The best-known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. 50c. each.

Duchess of Edinburgh. This variety is perfectly double, like a rosette. It is sweetly fragrant, and equally hardy and vigorous with the others. 50c. each.

Bangholm Belle. Large and very fine pure white. 40c. each.

Fairy Queen. White, with light lilac bars, 50c. each.

Gipsy Queen. Rich, dark purple. 40c. each.

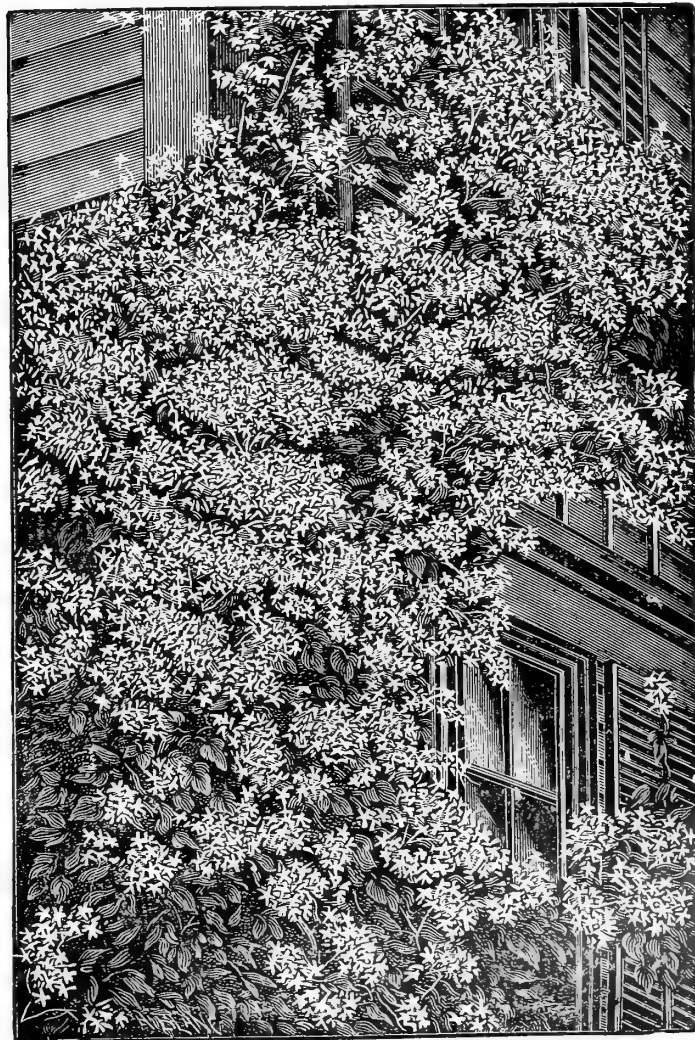
Henryii. Pure white, large and remarkably handsome. 40c. each.

Madame Baron Veillard. Light lilac; a peculiar but fascinating and distinct shade. 50c. each.

Sieboldii. Lavender blue, large, strong, vigorous grower. 40c. each.

M. Koster. (See cut.) A very free-flowering variety, bright rosy carmine. Each \$1.00, doz. \$10.00.

Collection, 1 plant each of above 9 varieties, for \$4.00, delivered free anywhere in the United States.



Clematis Paniculata.



—NEW—

LARGE-FLOWERING

JAPAN IRIS

✻

Iris Kaempferi
Grandiflora

THE magnificence of these new Irises surpasses description. The flowers are of enormous size, averaging from 6 to 8 inches across, and of indescribable and charming hues and colors, varying like watered silk in the sunlight, the prevailing colors being white, crimson, rose, lilac, lavender, violet and blue, each flower usually representing several shades, while a golden yellow blotch surrounded by a halo of blue or violet at the base of the petals intensifies the wealth of coloring. The Japan Iris is perfectly hardy, and flowers in greatest profusion in June and July, and attains greatest perfection if grown in moist soil, or if plentifully supplied with water while growing and flowering.

The following varieties have been selected from a large collection, grown by a famous Japanese horticulturist, and recognized as the finest assortment of Japanese Iris known. The different varieties having Japanese names, we have deemed it advisable to distinguish the various sorts by numbers, as follows:

1. White, yellow center, veined.
2. Dark purple edge, running to a blue and yellow center, under part of flower lavender.
3. Very, very light blue, white veined, yellow center, inner petals of flower tinged with dark blue.
6. Maroon, yellow center, inner petals white with a purple top.
7. Yellow center, dark blue shading into light blue and white, rather streaked, inner petals purple tipped.
8. White, dark purple veins, yellow center, dark purple shading to white inner petals.
9. Dark red, black and white veins, yellow center, white and purple inner petals.
11. White, well spotted dark pink shading into pink at the edges, and yellow center with a little purple border.
12. Dark purple, bright yellow center, dark blue inner petals.
19. Yellow center, blue, black veins, inner petals red with red veins and blue spotted with white.
23. Yellow center, dark purple varying into a lighter shade towards the edges, well veined, blue inner petals.
26. Yellow center, shading into light purple, then a light red, then a darker red, well spotted with a very dark red.
32. Very dark blue, yellow center, with purple inner petals.
33. Yellow center, white and blue stripes, shading into a light violet, darker towards the edges with a much heavier shade of violet directly on the edge, inner petals white tipped with dark violet.
34. Yellow center, with rather a dark purple shading into a light red and a dark red near the edges, well veined, inner petals white with purple edges.
35. Yellow center, white flower with a very dark purple edge or border.
36. Yellow center, very dark red flower, heavily veined, inner petals white and dark purple.
37. Yellow center, blue flower shading into dark purple near the edge and border, white veining, inner petals very dark purple.
40. Yellow center, light and dark blue, well spotted with very dark blue, inner petals white and dark purple.
41. Yellow center, dark purple, shading into light purple and darker purple again at the edges, well veined, inner petals of a light purple.
42. Orange center, rather a gray white, shading into pure white at the edges, white veins.
43. Yellow center, very dark red, shading into a lighter red with rather a white and pink tipping; white spots appear occasionally on this flower, inner petals of light and dark purple.
46. Yellow center, entire flower is of dark purple, except the middle of each petal, which is rather a light blue, shading into a dark purple.
50. Orange center, red with a little darker shade on the edge, well veined, center petals white, purple border and a light red.

Price of any of the above named varieties, 25c. each, \$2.50 per doz.; or a complete collection, one each of the above 24 varieties, \$4.50. Large undivided roots.

GERMAN IRIS

The German Iris is one of the most desirable early Spring flowering plants. The flowers are of large size and exquisite colors. It delights in low wet ground and does equally well in the border. No garden is complete without a collection of these beautiful flowers.

- Agnes.** White, edged pale lilac.
Asiatica. Standards rich blue, falls violet purple.
Aurea. Golden yellow.
Darius. Standards light yellow, falls purple, veined yellow and white.
Empress Victoria. Standards pale blue, falls purple.
Gloire de Hillegom. Beautiful porcelain blue.
Innocenza. Large, pure white.
Macrantha. Blue and violet; large flower.
Mad. Chereau. Standards white with sky-blue feathered edges, falls white, slightly frilled blue.
Maori King. Standards deep golden yellow, falls blackish chestnut bordered gold; one of the very best varieties.
Mrs. Horace Darwin. White, slightly veined violet at base.
Queen of May. Beautiful rosy lilac,
Price: Each 15c., doz. \$1.50, 100 \$8.00.

HARDY PHLOX

The hardy Phloxes are, without doubt the most important of all hardy perennials, and are now to be found in nearly every garden. They succeed in almost any kind of soil or position, and flower from early Summer until late in the Fall; they also improve from year to year and contain a

range of brilliant colors not found

in any other hardy plant. We have a very fine collection of them.

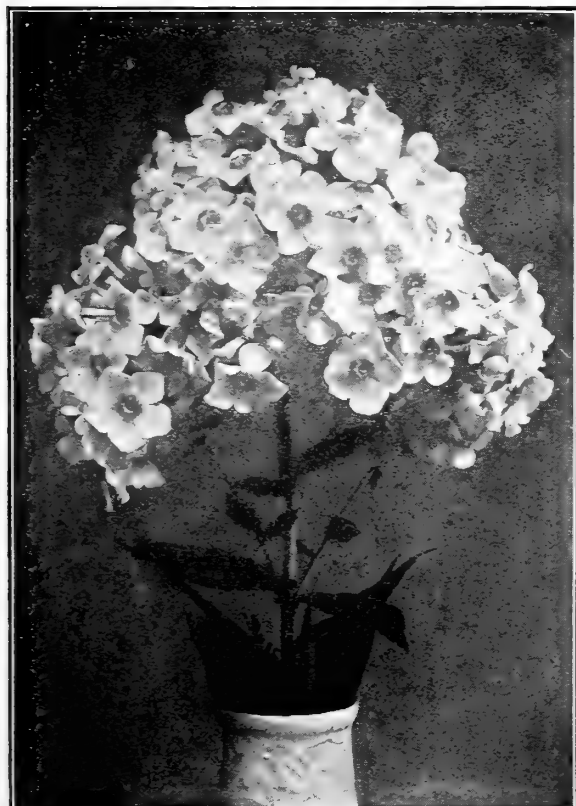
- Alceste.** Bright pink, deep red center.
Amphitryon. Large; lavender, beautifully streaked with white.
Aurora Borealis. Orange with purple center.
Bouquet Fleuri. White, carmine eye.
Caran d'Ache. Rosy carmine.
Chas. Darwin. Salmon pink, crimson center.
Coquelicot. Orange scarlet, crimson center.
E. Starke. Very large; dark red shading to purple.
Epopee. Violet, bright fiery center.
Fernand Cortez. Deep crimson, dark center.
Gen. Chanzy. Bright pink, tinted salmon.
Hector. Fine pink.
Independence. Large, pure white.
J. H. Slocum. Rose pink with crimson eye.
Jules Jouy. Lilac rose, white center.
L'Evenement. Delicate pink tinted with salmon; showy.
La Cygne. Large, pure white.
Lord Raleigh. Dark violet, purple center.
Mme. P. Langier. Bright red, vermilion center.
Premier Ministre. Rosy white, deep rose center.
Queen. Pure white.
Richard Wallace. White, violet center.
R. P. Struthers. Pinkish salmon, crimson eye.
White Swan. Large, pure white.
Wm. Ramsey. Purplish magenta, darker center.

Price: Strong field grown plants, ea. 15c., doz. \$1.50, 100 \$10.00. Collection, one plant ea. the above 25 varieties, \$3.00.

Countess of Lassburg. The best pure white. Ea. 25c., doz. \$2.50.
Etna. Deep blood red. Ea. 20c., doz. \$2.00.
Iris. Deep violet, blue center; fine and distinct, ea. 25c., doz. \$2.50.
Wolfgang von Goethe. Deep rose, white eye; fine. Ea. 20c., doz. \$2.00.



German Iris



Hardy Phlox

HARDY SHRUBS

AZALEA

Mollis. We have a very fine stock, in ten distinct named varieties, 10 buds	Each. \$0 50	Doz. \$5 00
20 buds	75	7 50
30 buds	1 00	10 00
Pontica grows 3 to 4 feet high, yellow, orange and red flowers, very fine,		
15 buds, 15 inches high.....	50	5 00
20 buds, 18 inches high.....	75	7 50
25 buds, 24 inches high.....	1 00	10 00

CALYCANTHUS FLORIDUS

(Strawberry Shrub)

An interesting shrub, having a rare and peculiar fragrance of wood and flowers; its blooms are abundant and of a peculiar chocolate color. 2 to 3 feet	40	4 00
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CARYOPTERIS (Blue Spirea)

A pretty autumn blooming plant; produces clusters of fragrant blue flowers	35	3 50
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CYDONIA (Japan Quince)

C. Maulei. Beautiful orange colored flowers, a distinct shade; fine.....	50	5 00
C. Jap. atrosanguinea. A handsome variety with semi-double scarlet flowers	50	5 00

CORNUS (Dogwood)

C. sibirica. A rare and remarkable variety with bright, red bark in winter	25	2 50
C. sibirica. Variegated foliage, a very pretty variety	35	3 50
C. Spathel. Foliage pale yellow and green	50	5 00

DAPHNE

D. Mezereum. White, small erect branches; clusters of pink flowers in March	25	2 50
D. Mezereum. Red, very pretty red flowers	25	2 50

DEUTZIA

D. gracilis. Of a dwarf, bushy habit; the racemes of white flowers completely cover the plant, making it one of the most attractive shrubs of the season, blossoming in June—	Each. \$0 25	Doz. \$2 50
D. Lemoinei. The branches are entirely covered with erect panicles of large, snow-white flowers, quite distinct from all other Deutzias; one of the best dwarf varieties; fine for forcing	25	2 50
D. Pride of Rochester. It excels all the older sorts, in size of flower, length of panicle, profuseness of bloom and vigorous habit.....	25	2 50
D. Waterii. A new free flowering, double white variety.....	25	2 50

EXOCHORDA (Pearl Bush)

E. grandiflora. A fine shrub producing large white flowers in May..	25	2 50
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FORSYTHIA

F. viridissima. Bright yellow flowers which appear early in the Spring...	25	2 50
F. suspensa. Yellow flowers, drooping habit	25	2 50

FLOWERING CURRANTS

The flowering currants are gay, beautiful shrubs in early Spring, and of the easiest culture. White flowering, red flowering, yellow flowering..	25	2 50
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GENISTA

G. sagittalis. A fine dwarf perennial; flowers pea-shaped, yellow, in a terminal spike	35	3 50
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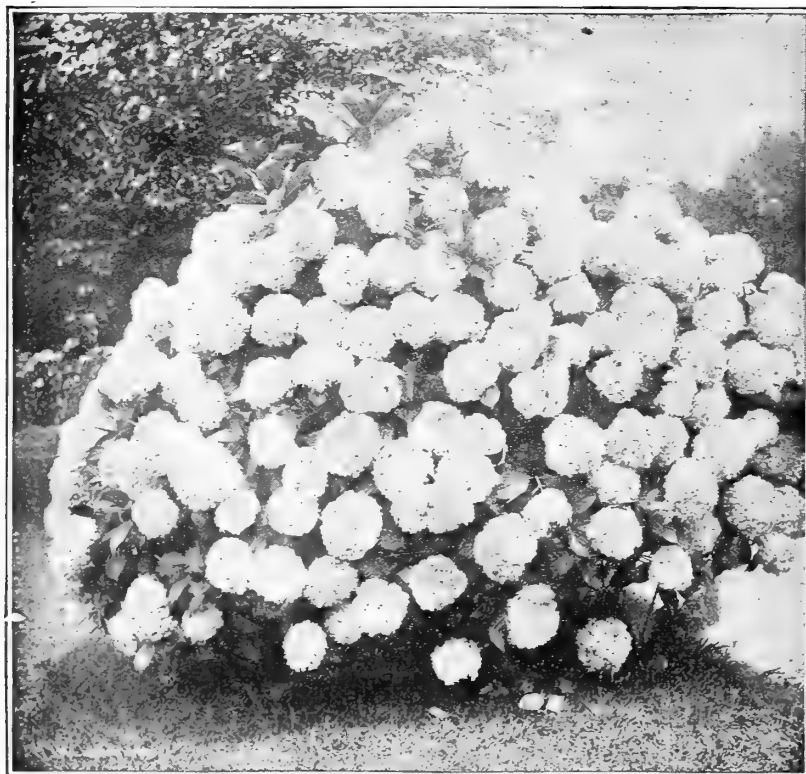
HYDRANGEA

H. paniculata grandiflora. One of the most popular shrubs in cultivation, blooming at a time when few other shrubs are in flower; bearing immense panicles of pure white flowers, which appear in August, turning to a delicate pink and remaining till late in the autumn. Spikes of flowers have been known to measure 12 inches long by 22 inches in circumference.		
First size, 2 to 3 feet.	20	2 00
Extra size, 3 feet, 4 to 6 branches	30	3 00
Standards about 5 feet high, extra fine....	50	5 00

H. Hortensia (Garden Hydrangea). A well-known variety, used for porch decoration and Easter forcing. The flower heads are large, showy and of a pretty pink tint which may be changed to blue by the use of iron filings in the soil.....	50	5 00
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H. Otaksa. Of vigorous growth, especially in rich moist soil, heavy, dark green foliage; large heads of beautiful rose-pink flowers, blooming freely when quite young.	25	2 50
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H. Thomas Hogg. One of the best; producing flower heads of snow-white from July to September	35	3 50
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Hydrangea Paniculata Grandiflora.

HIBISCUS (Rose of Sharon)

This has become one of the most popular flowering shrubs, coming in flower, as it does, in July and August, when few shrubs are in bloom. The entire plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a very pretty flowering hedge. Three years old in ten separate varieties, single and double, in white, blush, shaded, blue, purple, red, violet, pink, shaded, yellow

HONEYSUCKLE (Upright)

The following varieties are of erect shrubby habit, valuable for their showy fruit. The climbing sorts will be found under head of Hardy Vines and Creepers:

	Each.	Doz.
Morrowii. A very fine variety from Japan, valuable for its handsome red fruit	\$0 25	\$2 50
Tartarica Rose. Pink flowers which contrast beautifully with the foliage	25	2 50
Tartarica alba. Forms a high bush, with creamy white fragrant flowers.	35	3 50
Tartarica grandiflora. A beautiful shrub, producing large red and white flowers	30	3 00

HYPERICUM

H. Moserianum. The showiest of all the varieties and a novelty of decided merit. Of dwarf, half-pendulous habit; fine for massing; elegant, glossy foliage; the largest blossoms of the whole family, having orange-yellow petals and a beautiful red mass of stamens in the center, produced freely from midsummer until hard frost	25	2 50
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KERRIA

K. japonica. A slender, green branched shrub, covered with a profusion of globular yellow flowers from July to October.....	25	2 50
K. variegata. A dwarf variety from Japan, with small, green foliage, edged with white. One of the prettiest and most valuable of dwarf shrubs	25	2 50

LILACS

(Our pot-grown lilacs will produce 10 to 15 flowers the first season).

	Each.	Doz.
L. Chas. X. A strong, rapid growing variety, with large, shining leaves; trusses large reddish-purple. Pot grown, extra fine.....	\$1 25	\$12 00
L. Marie Legraye. Large panicles of white flowers, valuable for forcing. The finest white lilac. Pot grown plants	1 25	12 00
L. Souv. de L. Späth. Panicles long; individual flowers large, single; dark purplish red; the finest of its color. Pot grown plants.....	1 25	12 00
L. White, Persian white, de Marley, Vulgaris	25	2 50
L. In ten named varieties, 3 years old, grafted.....	50	5 00
L. Standard or tree-shaped, 7 feet high, best named varieties.....	2 50	25 00

MAHONIA (Ashberry)

M. aquifolia. A native shrub of medium size with large, shining, prickly leaves, similar to those of the famous English Holly, which turn scarlet in the Fall; bright yellow flowers in May, succeeded by bluish berries	25	2 50
M. japonica. A new variety from Japan, with very broad, spiny foliage of a light green color; yellow flowers in May.....	25	2 50

PRUNUS

P. triloba (Double-Flowered Plum). Native of China. A highly interesting and desirable addition to hardy shrubs; flowers double, of a delicate pink, upward of an inch in diameter, thickly set on the long, slender branches; flowers in May...	50	5 00
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SPIRAEA

S. Fortune's Rose. Has large panicles of deep rosy blossoms; grows freely and blooms nearly all summer; fine.	25	2 50
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Fortune's Dwarf

White Spiraea. A white-flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub.....	25	2 50
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S. Billardi. Rose-colored. Blooms nearly all summer	35	3 50
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S. Anthony Waterer. A fine new dwarf Spiraea with dark crimson flowers, darker than Spiraea Bumalda. One of the finest shrubs of recent years...	35	3 50
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Spiraea Van Houttei. Without doubt the finest variety in the collection. At the flowering season in May and early June the plant is covered with a mass of large, white flowers, presenting a beautiful appearance. 2½ to 3 ft.: 35c. each, \$3.00 per 10. 3 to 4 ft.: 50c. each, \$4.00 per 10.



Spiraea.

SYRINGA (Mock Orange)

	Each.	Doz.
S. coronarius (Garland Mock Orange). This is the popular well-known variety; very sweet and one of the first to flower.....	\$0 25	\$2 50
S. grandiflorus (Large-Flowered Syringa). Has very showy, large flowers, slightly fragrant; branches somewhat straggling	25	2 50
S. foliis aureis (Golden-Leaved Syringa). A very pretty plant of medium size, of golden-yellow foliage. It keeps its color the entire season, and will be found valuable for creating pleasing and striking contrasts with purple-leaved shrubs.....	35	3 00
S. nanus (Dwarf Syringa). Of low habit; makes a dense, compact bush, rarely produces flowers; useful as a dwarf shrub.....	25	2 50
S. Lemoinei erectus (Lemoine's Erect Syringa). A charming variety of upright growth; flowers small, yellowish-white, fragrant, completely covering the plant.....	35	3 50
S. Double Deutzia-flowered . A fine double flowering variety.....	50	5 00

SNOWBERRY

S. racemosus . A well-known shrub, with small pink flowers, and large white berries that hang on the plant through part of the winter.....	35	3 50
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SAMBUCUS (Elder)

S. Golden Elder . One of the most showy shrubs grown, on account of its golden foliage. Very desirable for ornamenting lawns; with <i>Prunus Pissardi</i> there is nothing finer.....	25	2 50
S. laciniata . A valuable variety, with elegantly divided leaves; one of the best cut leaved shrubs.....	35	3 50
S. Weeping . A fine drooping variety.	50	5 00

STAPHYLEA (Bladder-Nut)

S. colchica . One of the finest early flowering shrubs. Flowers white, fragrant, disposed in clusters. Flowers at the same time as the lilacs	50	5 00
S. Bumalda . A handsome shrub with large clusters of cream colored flowers	50	5 00

VIBURNUM (Snowball)

V. sterilis (Guelder Rose, Snowball Tree). A well-known, favorite shrub, of large size, with globular clusters of pure white, sterile flowers the latter part of May.....	35	3 50
V. plicatum (Japan Snowball). From North China. Of moderate growth; handsome plicated leaves, globular heads of pure white neutral flowers early in June. It surpasses the common variety in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. One of the most valuable flowering shrubs	75	7 50
V. tomentosum . The single form of the beautiful Japan Snowball (<i>Viburnum plicatum</i>); flowers pure white, borne along the branches in flat cymes, in the greatest profusion, early in June. Perfectly hardy, vigorous, and free-blooming.....	50	5 00

TAMARIX

These are very beautiful shrubs, with small leaves, somewhat like those of the Juniper, and delicate small flowers in spikes. They are invaluable for planting by the seaside, where scarcely anything else will grow.

	Each.	Doz.
T. africana . Handsome foliage, upright habit; flowers in May.....	\$0 35	\$3 50
T. chinensis . A vigorous, upright grower, with delicate foliage of a lively green color; flowers rose-colored, in September.....	35	3 50
T. Narbonne . Of straggling habit. Foliage glaucous green; flowers in May before the leaves appear.....	35	3 50

WEIGELA

W. nana foliis variegatis (Variegated-Leaved Dwarf Weigela). Of dwarf habit, and possessing clearly defined, silvery variegated leaves; flowers nearly white. It stands the sun well, and is one of the best dwarf variegated-leaved shrubs	35	3 50
W. rosea (Rose-Colored Weigela). An elegant shrub, with fine rose-colored flowers, introduced from China by Mr. Fortune, and considered one of the finest plants he has discovered; of erect, compact growth; blossoms in June	35	3 50
W. amabilis or splendens . Of robust habit, large foliage and pink flowers; blooms freely in the autumn; distinct and beautiful.....	35	3 50
W. Eva Rathke . A charming new Weigela, flowers brilliant crimson; a beautiful, distinct, clear shade....	35	3 50
W. Mme. Van Houttei . Clear carmine flowers. Showy and handsome....	35	3 50
W. Conquete . Flowers deep pink, the largest of all Weigelas.....	75	7 50
W. Mont Blanc . Flowers very large, pure white, hardy and vigorous....	75	7 50
W. La Perle . Large flowers, creamy white, edged with light rose.....	75	7 50

XANTHOCERAS

X. sorbifolia From Central China. Forms a shrub or small tree, foliage resembling that of the Service Tree or Mountain Ash; flowers five-petaled, white, reddish copper-colored at base, disposed in racemes about eight inches long; flowers expand in April or May with the leaves. It is very floriferous, young plants flowering freely. Requires protection until established.....	75	7 50
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YUCCA (Spanish Bayonet)

Has a fine appearance; the stem is 2 feet above the ground, covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

	Each.	Doz.
Y. filamentosa (Adam's Needle). Thread-leaved, creamy-white; 3 to 4 feet, first size	\$0 25	\$2 50
Extra large clump.....	75	7 50
Y. Pendula glauca . Bluish green, drooping foliage	25	2 50

HARDY VINES AND CREEPERS



Ampelopsis Veitchii on St. Paul's Church, N. Y.

AMPELOPSIS VEITCHII

Sometimes Called Boston Ivy and Japan Ivy

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places, attaining a height of 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. During the Summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. 1st size plants 25c. each, \$2.50 per doz. Extra size plants 35c. each, \$3.50 per doz.

Ampelopsis quinquefolia. Virginia creeper. 25c. each, \$2.50 per doz.

Ampelopsis Veitchii robusta purpurea. Similar to Veitchii, but the leaves show a more intense color in the fall. 50c. each, \$5.00 per doz.

AKEBIA

Quinata. Singular Japanese climbing shrub, with fine foliage, purple flowers and ornamental fruit. 25c. each, \$2.50 per doz.

ARISTOLOCHIA

Sipho. Dutchman's pipe. A native species, of climbing habit and rapid growth, with magnificent light green foliage; 10 to 12 inches in diameter, and curious pipe-shaped, yellowish brown flowers. 50c. each, \$5.00 per doz.

BIGNONIA (Trumpet Creeper)

For covering unsightly places, stumps, rockwork or planting in crevices in ledges, the Bignonias will be found very useful. The flowers are large, attractive and showy, and borne profusely when the plant attains a fair size. 50c. each, \$5.00 per doz.

HONEYSUCKLE

H. aurea-reticulata (Golden Variegated Honeysuckle). Foliage handsomely variegated with gold and green during summer, and adding a charming tint of pink during the winter months. 35c. each, \$3.50 per doz.

H. Halleana (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort, white flowers changing to yellow; very fragrant; flowering from July to Dec.; holds its leaves nearly all winter. 35c. each, \$3.50 per doz.

Small 1-year-old plants, 20c. each, \$2.00 per doz.

Scarlet Trumpet Honeysuckle. This and its varieties are the handsomest in cultivation. It is a strong, rapid grower, and produces scarlet inodorous flowers. 35c. each, \$3.50 per doz.

WISTARIA

W. sinensis (Chinese Wistaria). A most beautiful climber of rapid growth. When well established it makes an enormous growth, 15 to 20 feet in a season. Has long, pendulous clusters of pale blue flowers in May and June. 35c. each, \$3.50 per doz.

W. White. 35c. each, \$3.50 per doz.

MATRIMONY VINE

A vigorous, hardy climbing plant. It covers a great amount of space in a short time, and every new growth is at once covered with bright purple flowers, which are succeeded by brilliant scarlet berries nearly an inch long. It will grow and thrive in any situation, either shade or bright sunlight. 35c. each, \$3.50 per doz.

JAPANESE KUDZU VINES

These roots are imported from Japan, and will, if planted early, grow 20 to 30 feet the first season. Very hardy and a first class vine for general use. Small size 35c. each, \$3.50 per doz. Large size 50c. each, \$5.00 per doz.

BAY TREES

The Bay Trees we offer are well-shaped, close heads, with strong stems. We will allow a discount of 10 per cent. from these prices, if order is placed with us before March 15.

We ship Trees any time after April 15.

PRICE STANDARDS

Diameter of Crown.	Height of Stem.	Height of Tree.	Price per pair.
30 inches	4 feet	6½ feet	\$20.00
34 "	4 "	7 "	24.00
36 to 40 "	4½ "	7¼ "	32.00
40 to 45 "	4½ "	7½ "	38.00
45 to 48 "	4¾ "	7¾ "	45.00
48 to 50 "	5 "	8 "	50.00

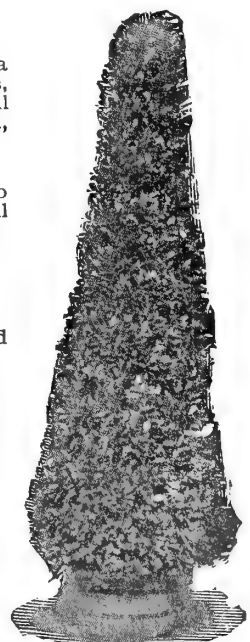
PYRAMIDAL

5 feet high, well-shaped	Price per pair.
5½ " " " "	\$20.00
6 " " " "	24.00
6 " " " "	30.00

PRICES on larger sizes on application.



Standard Bay Tree.



Pyramidal.

Selected Fruit Trees

We recommend Northern-grown fruit trees to our customers, as they will be found to give better satisfaction than Southern or Western-grown trees. We furnish excellent clean trees, which, if planted carefully, are almost sure to succeed. Trees, when received, should be planted at once in rich, prepared soil, the roots being carefully separated and spread. If dry weather follows planting, the trees must be watered and mulched. Branches of last season's growth should be well cut back, thus encouraging the vigorous growth of new healthy shoots.

APPLES

SUMMER VARIETIES

Early Harvest. Pale yellow, medium size. August.
Red Astrachan. Crimson; large; fine. August.
Sweet Bough. Pale yellow; very rich. August.

AUTUMN VARIETIES

Fall Pippin. Yellow; delicious. October.
Gravenstein. Striped. September to November.
Maiden's Blush. Yellow, with red cheek. October.

WINTER VARIETIES

Baldwin. Red; large; excellent.
Ben Davis. Yellow and red; large and luscious.
Fameuse, or Snow Apple. Very fine.
King. Crimson; extra large and fine.
Northern Spy. One of the best; large.
Rhode Island Greening. Excellent.
Roxbury Russet. Medium size; splendid. October.
 Price: XX \$1.00 each, XXX \$1.50 each.

CRAB APPLES

Red Siberian. Yellow and scarlet; medium.
Yellow Siberian. Deep yellow; medium; fine.

CHERRIES

Black Tartarian. Purplish black; very rich. June.
Governor Wood. Yellow, with red cheek. June.
Yellow Spanish. Pale yellow, with bright red cheek; large and juicy.
 Price: XX 75c. each, XXX \$1.25 each.

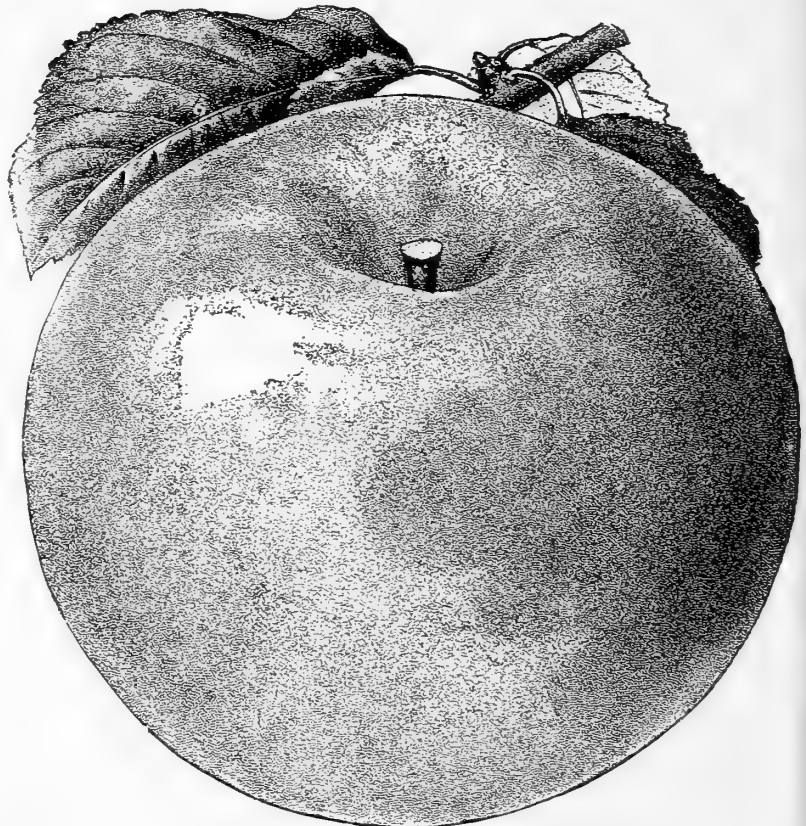
PEACHES

Champion. Freestone; white and red; large and juicy. Excellent new sort. August.
Crawford's Early. Freestone; yellow and red. September.
Crawford's Late. Freestone; very large. October.
Elberta. (New.) Freestone; large, handsome, golden yellow and crimson; very productive. The best early sort for market.
Hale's Early. Freestone; rich and juicy. August.
 Price: XX 50c. each, XXX 75c. each.

PEARS

SUMMER VARIETIES

Bartlett. A splendid summer variety. September.
Clapp's Favorite. Yellow and red; large. August.
 Price: XX \$1.00 each, XXX \$1.50 each.



Apple.

PEARS

AUTUMN VARIETIES

Belle Lucrative. Green; sweet; large. September.
Louis Bonne. Large, long, melting. October.
Seckel. Small; one of the sweetest. September.

WINTER VARIETIES

Beurre d'Anjou. Large; unsurpassed flavor. November.
Duchesse d'Angouleme. Very large; rich.
Lawrence. Medium; delicious quality.
 Price: XX \$1.00 each, XXX \$1.50 each.

PLUMS

Bradshaw. Large; purple; sweet. August.
Coe's Golden Drop. Large; oval; yellow. September.
Damson. Small; for preserving. October.
Imperial Gage. Large; oval; green; very sweet. September.
Jefferson. Yellow and red; fine. August.
Lombard. Violet-red; medium. September.
Pond's Seedling. Violet; large and juicy. September.
Smith's Orleans. Purple; very rich. September.
 Price: XX 75c. each, XXX \$1.25 each.

QUINCES

Apple or Orange. Large; round; yellow.
Champion. Extra large; pyriform.
 Price: XX \$1.00 each, XXX \$1.50 each.

FOREIGN FRUIT TREES

Apples. 10 varieties, dwarf pyramidal form, 6-year-old	\$2.50 each.
Apples. 10 varieties, dwarf pyramidal form, 3-year-old	1.50 each.
Pears. 10 varieties, dwarf pyramidal form, 6-year-old	2.50 each.
Pears. 10 varieties, dwarf pyramidal form, 3-year-old	1.50 each.
Cherries. Large fruiting varieties, fan shaped, 2 tiers, 5-year-old	2.50 each.
Apricots. Large fruiting varieties, fan shaped, 2 tiers, 5-year-old	2.50 each.
Apples. Cordon sets, 3 trees for trellis, 4-year-old	\$5.00 per set.
Pears. Cordon sets, 3 trees for trellis, 4-year-old	5.00 per set.

To prevent San Jose Scale, or check it if your trees are already infested, use "Kill-O-Scale," a dormant spray that should be applied any time during the winter up to April, or before the trees have started growth.
 Price per gallon \$1.50, 5 gallons \$1.35 per gallon, 10 gallons \$1.25 per gallon.

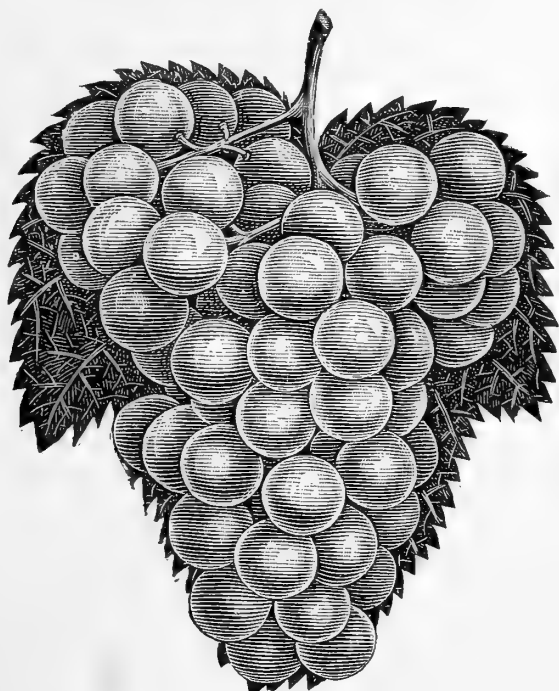
FRUIT AND VINE PLANTS

Agawam. Red or maroon. Bunch usually loose, shouldered; berries large; skin thick; flesh pulpy, meaty, juicy, of a rich, peculiar aromatic flavor; ripens about with Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned, leaving long canes. 35c. each, \$3.50 per doz.

Brighton. Red. Bunch medium to large, long, compact; shouldered; berries medium; skin thin; flesh tender, sweet, with scarcely any pulp; quality best. Vine a vigorous grower, healthy, hardy and productive; one of the best early red Grapes. The flowers have reflexed stamens and do not always fertilize fully unless planted with Concord, Worden, Martha or other varieties which blossom at the same time. Ripens with Delaware. 35c. each, \$3.50 per doz.

Catawba. Dark red when fully ripe. Bunch large, moderately compact, shouldered; berries medium to large; skin thick, tough; flesh somewhat pulpy, with rich, vinous flavor, of best quality for both table and wine. Vine a good grower, hardy, with healthy foliage; very productive and profitable where it succeeds and matures well. Ripens too late for high latitudes. 30c. each, \$3.00 per doz.

Concord. Black. Early. Decidedly the most popular Grape in America, and deservedly so. Bunch large, shouldered, compact; berries large, covered with a rich bloom; skin tender, but sufficiently firm to carry well to distant markets; flesh juicy, sweet, pulpy, tender. Vine a strong grower, very hardy, healthy and productive. For general cultivation the most reliable and profitable variety. 30c. each, \$3.00 per doz.



Grape.

Diamond. White. Bunch large, compact, shouldered; berries large, round; skin thin, but tough; flesh tender, juicy, with but little pulp. Vine is a good grower, with thick, healthy foliage; hardy and productive; of fine quality. Ripens a little before Concord. 25c. each, \$2.50 per doz.

Delaware. Red. Bunch small, compact, sometimes shouldered; berries small; skin thin, but firm; flesh juicy, very sweet and refreshing, of best quality for both table and wine; ripens with Concord or a little before. Vine hardy, productive, a moderate grower; requires rich soil and good culture. Is regarded by many as the best American Grape, all things considered. It should be in every garden and vineyard. 35c. each, \$3.00 per doz.

Eaton. Black. Similar in foliage to Concord. In growth, health, hardiness of vine, and in every respect its equal, while in size of bunch and berry it is much larger and more attractive. Leaf large, thick, leathery, covered on the under side with a thick brownish yellow down. Bunch very large, compact, double shouldered; berries very large, many 1 inch in diameter, round, black, covered with a heavy blue bloom, adheres firmly to the stem; skin thin, but tough; pulp tender, separating freely from the seeds and dissolving easily in the mouth; very juicy. Ripens with Concord or a little earlier. 50c. each, \$5.00 per doz.

Green Mountain. White. Bunch medium to large, shouldered; berries medium, greenish white; skin thin, tough; pulp tender, sweet, with few seeds; of excellent quality, free from foxiness; very early. Vine vigorous, healthy, hardy and very productive. A fine Grape, identical in every way with Winchell. 40c. each, \$4.00 per doz.

Moore's Early. Black. Bunch rarely shouldered; not quite as large as Concord; berries larger and very much like it in flavor and quality. Vine a moderate grower; very healthy and hardy; foliage thick, leathery, somewhat resembling Concord, except on the under side, which is covered with a yellowish brown down. Produces a fair, and, with high cultivation, a heavy crop. Ripens so early as to be nearly out of market before Concord is ripe and is, therefore, a very popular early market variety. Succeeds best on rich soil. 35c. each, \$3.50 per doz.

Niagara. White. Bunch very large and handsome, often shouldered; compact; berries large, round; skin thin, tough, does not crack, and carries well; has not much pulp when fully ripe; melting, sweet, with a flavor and aroma peculiarly its own, and agreeable to most tastes; ripens with Concord. 35c. each, \$3.50 per doz.

Pocklington. Pale green, usually with tinge of golden yellow where exposed to the sun; bunch large, very compact; berries very large, covered with a beautiful white bloom; flesh juicy, sweet, with considerable pulp. 30c. each, \$3.00 per doz.

Worden. Black. Bunch large, sometimes shouldered, compact; berries very large, skin thin. Superior to the Concord in the following points: It is better in quality, has a larger berry, a more compact and handsome cluster and ripens five to ten days earlier. 50c. each, \$5.00 per doz.

Collection, 1 each of the above 12 varieties, \$3.00



The New Cardinal Raspberry.

RASPBERRIES

Red Varieties

Cardinal. This wonderful berry is a surprise in the fullness of its merits, great growth, extreme hardiness and wonderful productiveness. It will grow ten feet high and bear accordingly, producing its choice, rich, red, pure-flavored fruit in marvelous abundance. Leading horticulturists who have seen the berry say it is one of the wonders of the century. 10c. each, \$1.00 per doz., \$6.00 per 100.

Cuthbert. Deep, rich crimson, large to very large, very firm. One of the very best market varieties. Season medium to late. A remarkably strong, hardy and productive variety. 75c. per doz., \$6.00 per 100.

Loudon. Dark crimson, large, firm, of good quality. The best mid-season market variety. Very vigorous, hardy, and productive. 75c. per doz., \$6.00 per 100.

Miller. Bright red, large, round, of fine quality. One of the firmest and best shippers for early market. Vigorous, hardy, immensely productive. 60c. per doz., \$4.50 per 100.

BLACK AND PURPLE VARIETIES

Cumaberland. Black. Very large; very similar to Gregg in quality and firmness; in hardiness and productiveness it is unexcelled. 75c. per doz., \$6.00 per 100.

Gregg. Black. Has been for many years the leading market berry. Large, firm, of good quality, ripening late. Exceedingly productive. 75c. per doz., \$6.00 per 100.

Munger Raspberry. Is beyond doubt the finest, latest and largest fancy market berry in existence. Many are substituting for this variety; do not allow it on you, as there is no other *Black Cap* half as good. Send to us and get genuine Munger. 75c. per doz., \$6.00 per 100.

YELLOW

Golden Queen. Large, golden yellow, of fine quality. Very hardy and productive; succeeds almost everywhere, and is a most desirable berry, bringing good prices in the market. 75c. per doz., \$5.00 per 100.

CURRENTS

Cherry. A strong growing variety. Fruit of the largest size, deep red. 10c. each, \$1.00 per doz., \$7.00 per 100.

Moore's Ruby. Bush upright, strong-growing; cluster medium to large; berries above medium, juicy, sweet and good; clear ruby color. 10c. each, \$1.00 per doz., \$7.00 per 100.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length; berries vary from small to medium or above; dark red; comparatively mild acid. Hardy; productive. 10c. each, \$1.00 per doz., \$7.00 per 100.

Victoria (Raby Castle). Bush a very strong, upright grower; foliage rather pale bronze-green; clusters above medium length; berries medium or above, bright red, with mild acid pulp. One of the most valuable late varieties. Very productive. 10c. each, \$1.00 per doz., \$7.00 per 100.

Wilder (President Wilder). Bush upright, vigorous; clusters above medium length; berries large to very large, averaging large; bright red; excellent, with mild sub-acid flavor. Ripens early and remains bright and firm until very late. 10c. each, \$1.00 per doz., \$7.00 per 100.

Black Naples. Bush very vigorous, upright, moderately productive; fruit varies from small to large, averaging above medium; pulp acid, with strong flavor. An old and well-known variety. 10c. each, \$1.00 per doz., \$7.00 per 100.

White Imperial. Bush vigorous and very productive; clusters large; berries very large, sweet and most delicious. This is the best of the White Currants. 10c. each, \$1.00 per doz., \$7.00 per 100.

BLACKBERRIES

Dorchester. Medium; fruit firm, sweet and high flavored. A vigorous grower, producing large crops.

Kittatinny. A stout, erect and vigorous growing kind. Fruit large and delicious.

New Rochelle, or Lawton. Fruit very sweet and delicious when well ripened.

Wilson's Early. Very good, large, firm and sweet; hardy and productive, and one of the earliest in fruit.

Eldorado. The berries are very large, jet black, sweet and without core.

Mersereau. A mammoth early berry, very sweet and melting, without core, and an enormous yielder.

Iceberg. One of Luther Burbank's introductions, color white, a novelty.

10c. each, 75c. per doz., \$5.00 per 100.

GOOSEBERRIES

Downing. Pale green, large, prolific and good. Best for home and market use. \$1.00 per doz., \$7.50 per 100.

Smith's Improved. Large, pale, greenish yellow; skin thin. Excellent quality. \$1.00 per doz., \$8.00 per 100.

Red Jacket. Bush vigorous, upright and productive. Fruit varies in size from medium to above medium. Color pale red. \$1.00 per doz., \$8.00 per 100.

Golden Prolific. Good grower, hardy, productive. Fruit large golden yellow; excellent. \$1.00 per doz., \$8.00 per 100.

ENGLISH VARIETIES

Crown Bob. Large, roundish oval, red, hairy, of fine quality. 25c. each, \$2.50 per doz., \$18.00 per 100.

Industry. Without doubt the most thoroughly tested and successful of the English varieties. Bush strong, upright, immensely productive. Berries largest size, dark red, excellent quality. 25c. each, \$2.50 per doz., \$18.00 per 100.

Whitesmith. Large, roundish oval, yellowish white, nearly smooth, of first quality. 25c. ea., \$2.50 per doz., \$18.00 per 100.

STRAWBERRY PLANTS

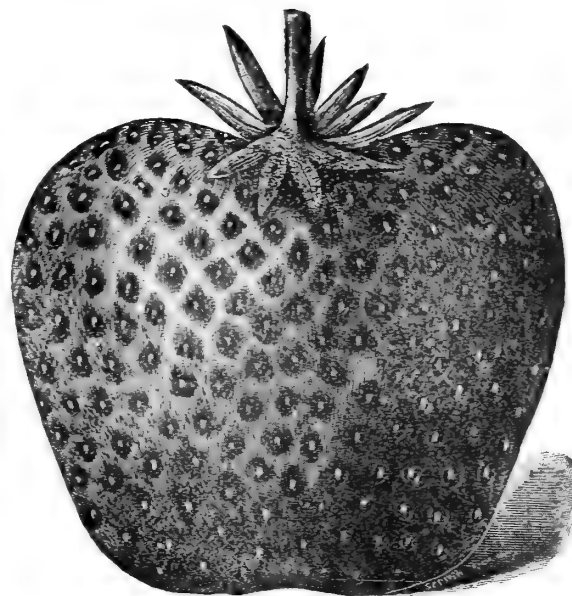
Our layer plants, as listed, will be shipped during May; pot grown plants from July to October. Special catalogue will be ready July 1st.

Success. This new early fruiting strawberry is one of the most beautiful as well as the earliest large berry we know of, and although early it holds out well through the strawberry season, bringing every berry to perfection; the last berries coming in with the later varieties and almost as large as the first borne. The berries are of

large globular form, slightly conical, and of a light bright scarlet; the flavor being always fine, mild, sweet and rich. They are a little soft for shipping, but this fact emphasizes their superiority for the home garden. The plant is a vigorous, strong grower, free from rust and abundantly productive. We recommend it for the home garden.



Success



Marshall

Lady Thompson. A seedling of Michel's Early, which it somewhat resembles both in plant and fruit; but the berries are larger and the plants more productive. The color is bright, and the flesh firm and good in quality. Its extreme earliness renders it of great value whether grown for market or for a very early home supply. Succeeds finely in the South.

MID-SEASON VARIETIES

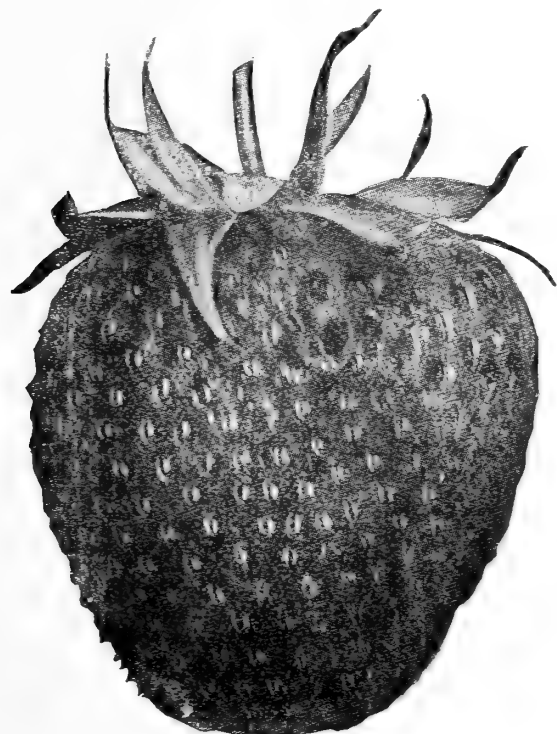
Marshall. A superb variety, especially desirable for its large size and fine flavor; dark crimson when fully ripe, handsome and good. Its excellent quality; fine flavor and large size render it admirable for table use.

Glen Mary. A superb variety which unites large size, great productiveness and good quality; bright glossy crimson and fine in flavor. The plant is strong and healthy; very prolific.

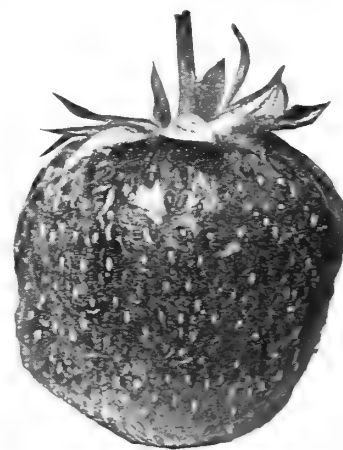
Nick Ohmer. The plant is a good grower, of large size, free from rust; makes a good number of plants and bears very heavy crops. The fruit is very large, one of the largest; dark, glossy red, firm, of good quality. It has a long season, extending from early medium to late. It is especially adapted to hill culture.

New York. This giant of the strawberry family is a cross of the well-known Bubach, and astonishing when grown on good soil and with generous culture. Berries dark scarlet, changing to crimson when fully ripe, coloring all over at once; excellent in quality. In growth of plant it is exceedingly vigorous, with foliage that is large, bright and clean. For such a large berry it is a great bearer.

Oom Paul. (Perfect flowers). This seems to be one of the largest berries so far introduced and is very firm for such a large fruit. Will stand shipping with any of the very large varieties and we believe better than



Oom Paul



Nick Ohmer

most of them. It is a large, thrifty, open growing plant with glossy dark green foliage, making sufficient plants for a good fruiting row and is free from rust. It is of fine color and of good quality. Extra large berries always command fancy prices. Valuable for home or commercial purposes. It seems to be the consensus of opinion among fruit growers that the Oom Paul is the best acquisition to the strawberry family for years.

Layer plants, if set during May or June, will give an excellent crop of berries the next season. Price: doz. 35c; 100, \$1.50; 1,000, \$10.00.

HARDY HERBACEOUS PLANTS

*Time of Flowering

	Each	Doz.		Each	Doz.
ACHILLEA <i>The Pearl</i> . Pure white, flowers in profusion. 18 to 24 in. *All Summer.....	\$0 15	\$1 50	COREOPSIS <i>lanceolata</i> . One of the best perennials in cultivation, with large lemon-yellow flowers on long stems. 2 to 3 ft. *All Summer.....	\$0 15	\$1 50
ACONITUM <i>Autumnale</i> . Deep purplish blue, flowers in September.....	20	2 00	Grandiflora . A free flowering, desirable species, with rich golden yellow flowers. 18 in. *All Summer.....	15	1 50
ACONITUM <i>napellus</i> . Flowers blue, very fine, 18 to 24 in. *September and October.	15	1 50	DELPHINIUM <i>formosum</i> . Dark blue. 2 to 3 feet. *Summer.....	20	2 00
ADONIS <i>vernalis</i> . Flowers bright yellow, 2 to 3 inches across. 12 in. *Early Spring.	10	1 00	Formosum . <i>Cœlestinum</i> . Sky-blue; very handsome. 2 to 3 ft. *Summer.	25	2 50
ANCHUSA <i>incarnata</i> . Flesh pink, very fine. Height 2 to 3 ft. *July and August.	15	1 50	Cardinale . Scarlet; splendid, 2 feet. *Summer	20	2 00
ANEMONE <i>Honorine Joubert</i> . Pure white, large flowers. 18 to 24 in. *July to October.	15	1 50	Nudicaule . Scarlet, dwarf; excellent sort. 12 inches. *Summer.....	25	2 50
Queen Charlotte . Semi-double, light pink. 18 to 24 in. *July to October.	20	2 00	DIELYTRA <i>spectabilis</i> . (<i>Bleeding Heart</i> .) Rose, 15 in. *Summer.....	20	2 00
Whirlwind . Semi-double, pure white, 2 to 3 ft. *July to October.....	15	1 50	Spectabilis . (<i>Bleeding Heart</i> .) White. 15 in. *Summer.	25	2 50
ANEMONE <i>Prinz Heinrich</i> , new German variety, of dwarf compact habit, with very large semi-double dark red flowers; the darkest double anemone..	20	2 00	DIGITALIS (<i>Foxglove</i>) <i>Gloxiniaeflora</i> . Pure white to deep pink. 3 to 4 ft. *June to July.	15	1 50
ANTHEMIS <i>Kelwayi</i> . Flowers golden yellow, of dense bushy habit. 12 to 18 in. *July to November.....	20	2 00	ECHINOPS <i>RITRO</i> (<i>Globe Thistle</i>). Flowers deep metallic blue, 3 ft. high.	20	2 00
ASCLEPIAS <i>tuberosa</i> . Spikes of bright orange flowers, very showy. 2 ft. *July to September.	15	1 50	EULALIA . The grasses are fine for making beds and groups for tropical effect. Long, graceful foliage, and large pampas-like plumes, in Fall.		
AQUILEGIA <i>alpina</i> , <i>Blue</i> . One of the very best. 12 to 18 inches. *All Summer.	20	2 00	Japonica variegata . Large plumes, variegated foliage. 5 to 6 ft.....	20	2 00
Skinneri . Flowers scarlet, with greenish tips; a very distinct variety. 12 to 18 in. *All Summer.....	20	2 00	Zebrina . One of the most beautiful of all ornamental grasses; foliage marked crosswise, with bands of creamy white. very attractive. 5 to 7 ft.....	25	2 50
California . Large yellow flowers, dark orange spurs. 12 to 18 in. *All Summer.	15	1 50	FUNKIA <i>variegata</i> . Foliage green and white; fine for border. 10 to 12 in. *Summer.	10	75
BELLIS <i>perennis</i> (<i>Double Daisy</i>) <i>Maxima</i> . Double red. 4 in. *Spring....	10	1 00	GAILLARDIA <i>grandiflora</i> . One of the most effective and showiest hardy flowering plants, with gorgeous flowers of bright yellow and orange, with deep crimson center. 18 in. *All Summer.	15	1 50
Perennis (<i>Double Daisy</i>) <i>Maxima</i> . Double white. 4 inches. *Spring....	10	1 00	GYPSOPHILA <i>paniculata</i> . An elegant light and graceful perennial, forming a mass of thread-like stems, with an abundance of small, white flowers. 2 to 3 ft. *July and August.....	15	1 50
Perennis (<i>Double Daisy</i>) <i>Longfellow</i> . Double pink. 4 in. *Spring.....	10	1 00	HARDY SUNFLOWERS , <i>Rigidus</i> . One of the most desirable of our native varieties, beginning to bloom early in July and continuing until Fall; flowers golden-yellow, with dark centers; 3 feet.....	15	1 50
CAMPANULA <i>Backhousii</i> . An exceedingly large, handsome white variety..	20	2 00	Miss Mellish . Flowers in September and October. Grows about 6 feet high, with large, single golden-yellow flowers.	15	1 50
CAMPANULA <i>persicifolia</i> . Large flowering blue, very fine, 18 to 24 in. *July and September	15	1 50	Meteor . Large double orange-yellow flowers, with bold yellow guard petals; 5 feet; August and September.....	15	1 50
Persicifolia <i>Moerheimi</i> . Beautiful double pure white, very large flowers. This variety is very compact and vigorous. 18 to 24 in. *June and July....	20	2 00	Soleil d'Or . Deep golden-yellow, quilled petals, not unlike a Dahlia; 4 feet; August and September.	15	1 50
CARNATIONS , <i>Non plus ultra</i> . Border pinks; extra fine mixture. 10 in. *Summer.	10	1 00	HEMEROCALLIS . Fine, tall-growing plants, with sweet-scented lily-like flowers.		
CENTAUREA <i>Ruthenica</i> . Straw-colored; flowers in July and August; ornamental fern like foliage, 2½ ft. high.	15	1 50	A. Major . Sweet-scented, trumpet shaped, deep orange color. 3 ft. *July and August.	25	2 50
CHRYSANTHEMUM <i>maximum Robinsoni</i> . A very handsome variety, with beautifully fringed flowers; one of the best. 2 ft. *All Summer....	25	2 50	Kwanso . Double. A very free flowering, double copper color. 4 ft. *Summer.	15	1 50
Maximum . White, fine for cutting. 2 ft. *All Summer.	20	2 00	Middendorffii . Deep golden yellow. 2 to 3 ft. *June and July.....	15	1 50
Maximum Triumph . Very large, single white flowers. 2 ft. *All Summer.	20	2 00			
Hardy Pompon . In 25 varieties. 18 in. *September and October.....	10	75			

HARDY HERBACEOUS PLANTS—Continued

	Each	Doz.
HEUCHERA sanguinea. Bright crimson lily of the valley shaped flowers. 1 to 2 ft. *All Summer.....	\$0 15	\$1 50
HOLLYHOCK. Finest double white, rose, pink, purple, crimson, yellow. 4 to 6 ft. *Summer.	25	2 50
Allegheny. Mixed colors, single and double. 4 to 6 ft. *Summer.....	20	2 00
Single mixed. 4 to 6 ft. *Summer. ..	20	2 00
IBERIS Gibraltica. Large flowers, violet shading to white; very fine. 6 to 8 in. *May and June.....	15	1 50
IBERIS sempervirens superba (<i>Evergreen Candytuft</i>). Produces innumerable flat heads of pure white flowers during April and May.	15	1 50
INCARVILLEA Delavayi. Quite hardy, with numerous good-sized Gloxinia-shaped flowers. 3 ft. *June.....	50	5 00
LUPINUS arborea. Yellow tree lupin...	10	1 00
LYCHNIS chalcidonica. Brilliant scarlet flowers. 2 to 3 ft. *All Summer...	15	1 50
MYOSOTIS Water Witch. Dwarf, blooming from Spring until Autumn. 4 to 6 in.....	10	1 00
Palustris. True March variety; blooms continually if planted in a moist, shady place. 4 to 6 in.....	10	1 00
PANSY. Colors separate or mixed. Our pansy plants are grown from our own carefully selected strains. Per 100 \$5.00, per 1000 \$45.00.....	10	75
POPPY Orientale Hybrids. Showy perennials, with immense showy scarlet and red flowers, 6 to 8 in. in diameter, on long stems borne well above the foliage. 18 in. *June.....	15	1 50
PLATYCODON. These are sometimes called campanulas, to which they are closely allied. They form neat plants, bearing a succession of flowers on upright stems.		
Grandiflora coerulea. Fine blue flowers, 18 in. *June to October.....	15	1 50
Grandiflora alba. Pure white. 18 in. *June to October.	15	1 50
PHLOX subulata. An early Spring flowering phlox with neat moss-like foliage growing close to the ground, which during the flowering season is completely covered under a mass of bloom. Pink or white. *Spring.	20	2 00
PYRETHRUM hybridum fl. pl. Too much cannot be said in favor of this grand hardy perennial. Their main season of blooming is in June, but if the old flower stems are removed they will give a fair sprinkling of flowers in the Autumn. The bloom is similar to that of an Aster, and ranges in color from pure white and the various shades of pink and red to deep purple. Splendid for cutting, lasting a week in good condition.		
Alfred. Full rich crimson, one of the best double reds.....	25	2 50
Beauty of Laeken. Anemone-flowered, crimson with lighter center.....	25	2 50
Cleopatra. Yellow and white.....	1 00	10 00
Lord Rosebery. New brilliant carmine scarlet, the most brilliant of all.	1 00	10 00

	Each	Doz.
PRIMULA cashmeriana. Flowers light blue with yellow eye. 10 to 12 in. *June.	\$0 15	\$1 00
Japonica. Invariably colored flowers of crimson, maroon, lilac, rosy-pink, or white, with a differently colored eye. 10 to 12 in. *Spring.....	15	1 50
Veris. (<i>Cowslip</i> .) Embracing a fine range of color. 10 to 12 in. *Spring...	10	1 00
RANUNCULUS aconitifolius fl. pl. (<i>Fair Maids of France</i>). Forms a branching bush 2 feet high, flowers double; pure white; in May and June.	15	1 50
RUDBECKIA. (<i>Golden Glow</i> .) So well known it needs but little description; flowers double yellow Cactus dahlia-like and are borne on stems 6 to 8 ft. high, in great profusion. *August and September.	15	1 50
SANGUINARIA. (<i>Blood Root</i> .) White flowers 6 in. *April and May.....	20	2 00
SCABIOSA caucasica. One of the handsomest hardy plants, with flowers of a beautiful soft lilac color; fine for cutting. 18 in. *All Summer.....	15	1 50
SPIRAEA Gladstone. A beautiful species producing dense blooms of feathery white flowers in June. 18 in. *June.	30	3 00
SWEET WILLIAM. Double mixed, variegated, margined. 18 in.....	10	1 00
TRILLIUM grandiflorum. Large white flowers, very fine, shady, 10 in. *Spring	15	1 50
TRITOMA. All the varieties offered are worthy of cultivation; they are hardy if given protection, but the most satisfactory method of Wintering is to bury the roots in sand in a cool cellar.		
Pfitzeri. (<i>The Everblooming Flame Flower</i>). The freest-flowering variety in cultivation, in bloom from August to November, with spikes from 3 to 4 feet high and heads of bloom over 12 inches long, of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses..	15	1 50
Child's Everblooming. Very free flowering, bright orange red.....	15	1 50
Corallina. Brilliant coral scarlet....	15	1 50
Lachesis. Apricot	50	5 00
Mac-Owani. Glowing coral-red, shaded orange, a continuous bloomer.....	15	1 50
Obelisque. Golden yellow, extra large truss.	1 00	10 00
Nobilis.	1 00	10 00
Uvaria grandiflora.	15	1 50
TROLLIUS (Globe Flower). Popular hardy perennials, flowering freely from May until August; 2 to 2½ ft.		
Japonicus "Excelsior." Very deep orange flowers.	25	2 50
Caucasicus "Orange Globe." A new variety, with large, deep orange-colored flowers.	25	2 50
VIOLA Odorata La France. The largest and best sweet violet in cultivation. It has been introduced from France. The flowers are dark blue, with a steely cast, and have a diameter of 1¼ inches. The stems are longer than those of any other variety. Per 100 \$15.00.	25	2 50

CONIFERS OR EVERGREENS

ABIES concolor. (Grafted.) The foliage is long and broad, quite blue when young, becoming paler green with age. 3 ft. high. Each \$4.00.

Nordmanniana. One of the richest and handsomest conifers for ornamental planting ever introduced; dark green. 2 ft. \$1.00 each, 3 ft. \$2.00, 4 ft. \$3.00.

CEDRUS atlantica glauca. Very vigorous and hardy; one of the most striking evergreens when grown to specimen size. 2½ ft. \$2.00 each, 3½ ft. \$3.00 each.

JUNIPERUS virginiana glauca. A free-growing variety with rather slender branches. The foliage during the growing season is of almost silvery whiteness, changing to a blue in the autumn and finally to a pale green during the winter. A striking tree, succeeding well in the northern States. 2½ ft. \$1.50 each, 3 ft. \$2.00 each.

PICEA Alcockiana. This is one of the finest spruces from Japan, where it becomes a lofty pyramidal tree well furnished with dark green foliage, distinctly blue underneath. 2 ft. \$1.00 each, 3 ft. \$1.50 each, 4 ft. \$3.00 each.

Excelsa. (Norway Spruce.) One of the handsomest conifers for the decoration of parks and landscapes. When grown singly its lofty trunk is feathered with branches from the base to the summit. More frequently planted in this country than any other evergreen. 2 ft. 50c. each, 3 ft. \$1.00 each, 4 ft. \$1.50 each, 5 ft. \$3.00 each.



Pinus Austriaca.

PICEA excelsa aurea. The same as Excelsa, but has a golden appearance; very pretty. 2 ft. \$1.50 each, 3 ft. \$2.00 each, 4 ft. \$3.50 each.

Excelsa inverta. A pendulous variety, in which the branches droop or weep, forming a grotesque, striking tree. 2 ft. \$2.50 each, 3 ft. \$3.50 each.

Douglasii. Of quite rapid growth and conical form; foliage a delicate green, blue underneath; hardy and easily grown. 2 ft. 60c. each, 4 ft. \$2.00 each.

Douglasii glauca elegans. 2 ft. 2.00 each, 3 ft. \$3.00 each.

Pungens glauca. (Koster's grafted.) This noble tree is a native of the Rocky Mountains, and is unquestionably one of the finest evergreens. Foliage fine blue, in marked contrast to the green of other trees. One of the hardiest and most beautiful of all the evergreens. 2 ft. \$2.50 each, 3 ft. \$4.00 each, 4 ft. \$8.00 each, 5 ft. \$15.00 each.

Pungens glauca pendula. The same as Pungens glauca, but of drooping habit. 2 ft. \$3.50 each.

Excelsa Remontii. A dwarf-growing, conical, compact variety, with dark green foliage. Forms an elegant dwarf tree much used in beds and borders. 1½ ft. \$1.00 each, 2 ft. \$2.00 each, 3 ft. \$3.00 each.

Orientalis. A smaller tree, rather more dense in habit than the common spruces. The branches are clothed with foliage much oppressed, which gives it a more slender appearance than the other species. The color of the foliage is a deep glossy green, the brightest in color of all the spruces. It is perfectly hardy; much richer in color than the Norway Spruce, and is decidedly a more graceful tree. One of the best evergreens, and is particularly valuable for northern planting, where it is extensively used in group and specimen work. 2 ft. \$1.50 each, 3 ft. \$2.50 each, 4 ft. \$4.00 each.

PINUS Cembra. It is furnished from the base to the summit with branches, which are densely clothed with tufts of large, silvery green foliage; very hardy. 2 ft. \$1.50 each, 3 ft. \$2.50 each.

RETINISPORA filifera. A low tree of irregular outline and very elegant appearance. 1½ ft. \$1.00 each, 3 ft. \$2.50 each.

Nana gracilis aurea. A beautiful pyramidal tree, with spreading branches elongated at their extremities with pendulous stems; color green shading to yellow at the ends. 2 ft. \$2.50 each.

Obtusa. The strongest grower of the Retinispora family, and forms a handsome specimen. The branches are numerous and spreading, the lower ones decumbent, giving the tree a graceful appearance. The foliage is fern-like and of a clear, pretty green color. This variety is one of the most useful of the Retinisporas. 1½ ft. \$1.00 each, 2½ ft. \$2.50 each, 3½ ft. \$3.50 each.

Obtusa aurea. Identical with Obtusa except in color, which is of a deep, golden yellow, particularly marked during the growing season. One of the most striking colored conifers in cultivation. 2 ft. \$2.00 each, 3 ft. \$3.00 each, 4 ft. \$4.00 each.

Pisifera. A distinct and useful variety. 3 ft. \$1.50 each, 4 ft. \$2.50 each.

RETINISPORA—Continued.

Plumosa aurea. 1½ ft. 50c. each, 2 ft. 60c. each, 3 ft. \$1.00 each, 4 ft. \$2.00 each.

Plumosa vera. 1 ft. 40c. each, 3 ft. \$2.00 each.

Squarrosa Veitchii. 1 ft. 50c. each, 3 ft. \$2.50 each.

THUYA occidentalis. (American Arbor vitæ.) The common Arbor vitæ is generally used for hedges, as it stands pruning well and makes a compact, thick screen. In the winter it turns a brownish green color, but quickly changes to a brighter green in March and April. The following is a partial list of its numerous varieties. 3 to 4 ft. \$1.00 each, 5 to 6 ft. \$2.50 each.

George Peabody. Of dwarf, compact growth; foliage bright golden color, which it retains throughout the summer. The best golden variety. 3 ft. \$3.50 each.

Hoveyi. (Hovey's Arbor vitæ.) Show growth, pyramidal form, golden green tinge. Most ornamental of the American Arbor vitæ. 3 ft. \$3.00 each.

Siberian, or Wareana. This valuable variety has dense compact foliage of pure green color, even in winter. It grows more slowly than the American, and needs less trimming. We offer uniform sheared specimens. 3 ft. \$3.00 each.

Vervaeana. A hardy variety in which the green is singularly intermixed with a predominating shade of golden yellow. 3 ft. \$3.50 each.

Gigantea. Large healthy grower. 3 ft. \$2.00 each.

Lobbi. Compact, small foliage, pretty. 3 ft. \$2.00 each.

Lobbi aurea. Compact, small foliage, yellowish. 3 ft. \$2.50 each.

TAXUS baccata. (Irish Yew.) 3 ft. \$2.50 each.

Baccata erecta Ovaryridin. 3 ft. \$2.50 each.

HEDGE PLANTS

California Privet. One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical habit naturally. Price, 18 to 24 in. high, 2-year-old, 100 \$3.00, 1000 \$25.00; 24 to 28 in. high, 2-year-old, 100 \$5.00, 1000 \$40.00; 28 to 36 in. high, 2-year-old, 100 \$6.00, 1000 \$50.00. Large bushy plants, 7 to 12 feet high, \$1.00 to \$3.00 each; \$10.00 to \$30.00 dozen.

Armoor River Privet. The same as California Privet but much hardier. Price, 18 to 30 in. high, bushy, 100 \$6.00, 1000 \$50.00; 36 to 42 in. high, bushy, 100 \$10.00, 1000 \$90.00.

We always have large stocks of privet and can supply in quantities up to one hundred thousand. Special prices on large lots on application.

Berberis Thunbergii. From Japan. A pretty species, of dwarf habit, small foliage, changing to a beautiful coppery-red in autumn. Showy orange-yellow flowers in May, and succeeded by bright red fruit,

very hardy, and the best slow growing hedge plant. Also valuable to grow as a shrub. 2-year-old plants 10c. each, \$1.00 dozen, \$6.00 per 100; 3-year-old plants 15c. each, \$1.50 dozen, \$8.00 per 100.

Arbor Vitæ, American. 18 to 24 in. \$1.50 per dozen, \$10.00 per 100.

Arbor Vitæ, Siberian. 18 to 24 in. \$2.00 per dozen, \$15.00 per 100.

Norway Spruce. 18 to 24 in. \$2.00 per dozen, \$15.00 per 100.

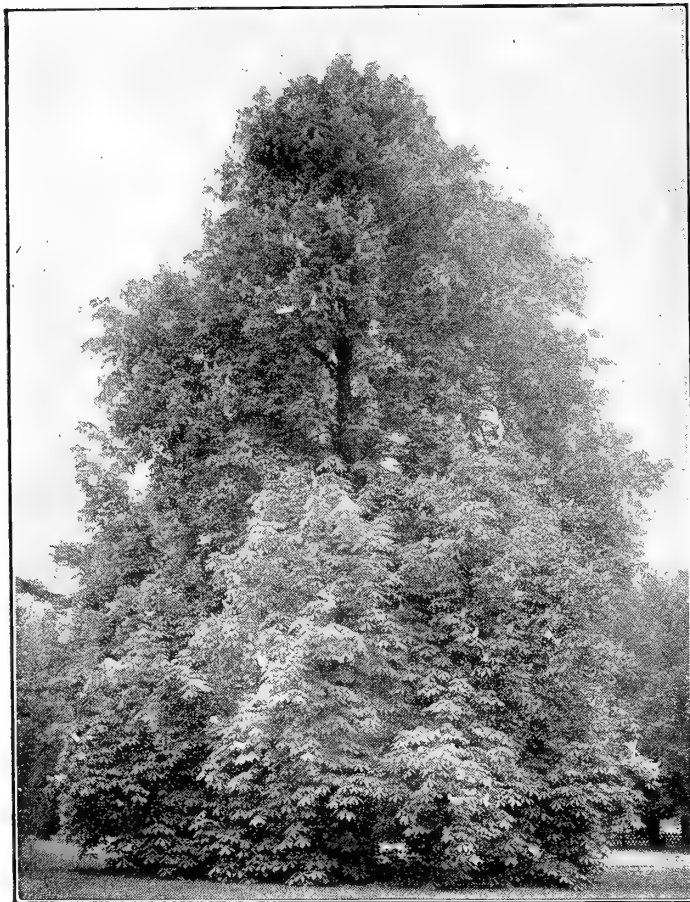


Retinispora Squarrosa Veitchii.



A Beautiful Hedge of California Privet.

SHADE AND ORNAMENTAL TREES



Aesculus Hippocastanum—Horse Chestnuts

ASH, AMERICAN WHITE. A valuable native variety of rapid growth, forming straight clean trunks and broad, oval shaped heads. Desirable for parks, public grounds and street planting, also for timber and forestry purposes. 10 to 12 ft. high, each \$1.50, doz. \$15.00.

BIRCH, EUROPEAN WHITE. A distinct native species of vigorous, rapid growth. Bark white, leaves triangular, tapering and pointed. It is very hardy and will grow in sandy or rocky soil in any situation. It is of easy culture and makes a beautiful shade and ornamental tree. 8 to 10 ft., each \$2.00, doz. \$18.00.

CATALPA BUNGEI. Chinese Catalpa. A curious dwarf tree, with a globular head measuring 8 to 10 feet in diameter. Top-grafted on tall stems it is as effective for lawn and terrace decorations as the tender and more expensive bay trees. Quite hardy, most distinct and desirable for lawn planting. We offer some magnificent large specimens. 5 to 7 ft., 1 year, grafted heads, each \$1.00, doz. \$10.00; 6 to 8 ft., 2 years, grafted heads, each \$2.00, doz. \$18.00; specimens, grafted 1, 6 to 8 feet high, heads 5 to 7 feet broad, stems 2½ to 3 in. cal., each \$5.00 to \$8.00.

HORSE CHESTNUT. As ornamental flowering trees the Horse Chestnut deserve more appreciation. Suitable for shade and avenues. They curiously unfurl their leaflets in early Spring and in May are covered with great spangles of flowers that contrast beautifully with their deep green foliage.

HORSE CHESTNUT. Double white flowering variety, not bearing fruit. 9 to 12 ft., each \$2.50, doz. \$25.00.

HORSE CHESTNUT (Briotti). Very brilliant dark red flowers. Grafted on seven-foot stems. Each \$3.00, doz. \$30.00.

HORSE CHESTNUT (Half Standards). On five-foot stems. Each \$2.50, doz. \$25.00.

LINDEN, EUROPEAN. A handsome variety similar to the American Linden of same square, thick growth, very hardy and vigorous. The head is hardy and pyramidal in shape, having large leaves. 10 ft., each \$1.50, doz. \$15.00; 12 ft., each \$2.25, doz. \$24.00; 14 ft., each \$5.00, doz. \$50.00.

MAPLE, NORWAY. A tree of foreign origin, a sturdy, symmetrical grower, forming a broad spreading rounded head. The leaves are deep green, large and broad, and cling to the branches longer than other sorts. Excellently adapted to street planting. 10 ft., each \$1.00, doz. \$10.00; 12 ft., each \$1.50, doz. \$15.00; 14 ft., each \$2.50, doz. \$25.00. Specimen trees \$3.50 to \$5.00 each.

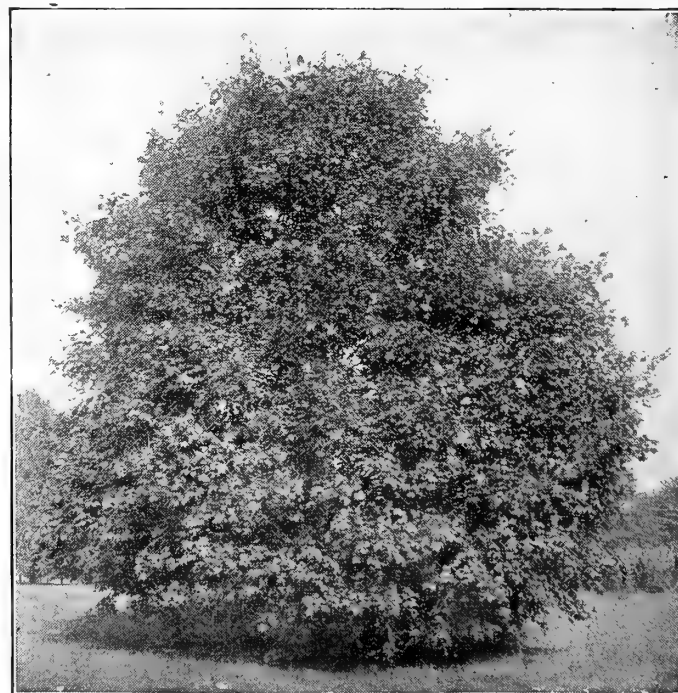
MAPLE, SUGAR OR ROCK. A valuable tree for sugar as well as lumber, shade and ornament. It is adaptable to all locations, roots deeply and grows symmetrically into a tree of large proportions. 12 ft., each \$1.50, doz. \$15.00; 14 ft., each \$2.50, doz. \$25.00. Specimen trees, each \$3.50, doz. \$25.00.

MAPLE, SCHWEDLERI. The most ornamental of all maples, extremely hardy, of German origin. In the Spring the leaves and young sprouts are purplish red, changing, as the season advances, to copper bronze, and in the Autumn assuming a pure golden tint. 10 ft., each \$2.00, doz. \$20.00.

MAPLE, WEIR'S CUT-LEAF. A very beautiful silver leaf sort with delicately cut leaves and distinct, half drooping habit. It grows rapidly, forming a straight, upright trunk, with slender branches that curve gracefully downward. 6 to 8 ft., each \$1.00; 8 to 10 ft., each \$1.50; 10 to 12 ft., each \$2.00.

PLANE, ORIENTAL. A clean tree and a good grower. It is popular in all landscape work. 10 to 12 ft., 1½ to 2 in. cal., each \$1.50, doz. \$15.00; 12 to 14 ft., 1¾ to 2½ in. cal., each \$2.00; 14 to 16 ft., 2 to 2½ in. cal., each \$2.50.

Prices on a few larger trees on request.



Acer Schwedleri

SHADE AND ORNAMENTAL TREES—Continued

POPLAR, CAROLINA. The largest, most symmetrical, finest and best Poplar for general planting. A most rapid, vigorous grower, pyramidal in form, with large glossy leaves. It grows very rapidly, soon forming large trees. If properly cut back and trimmed it forms a fine spreading head. It thrives everywhere, is not affected by sewer gas, smoke, ashes or salt water. We recommend it very strongly for park and street planting. Planted alternately with Elms, Maples, and other hard-wooded trees, they soon grow into large trees, supplying an abundance of shade. After the other trees become large the Poplars can be cut out. This is rapidly becoming the most popular tree for general planting. 10 to 12 ft., each \$1.00; 12 to 14 ft., each \$2.00; 14 to 15 ft., extra fine, each \$3.00.

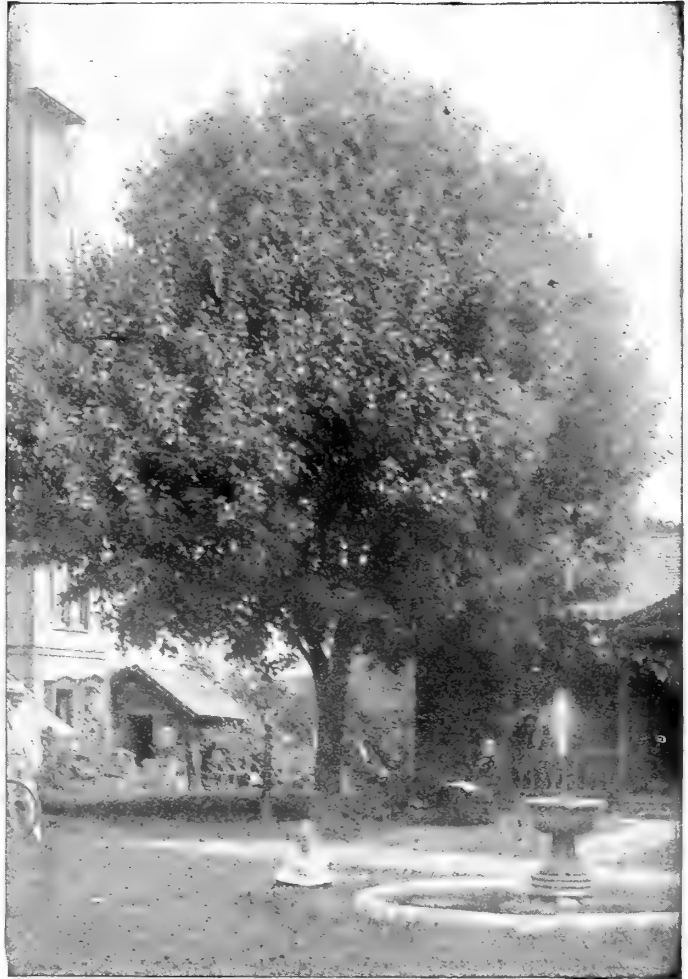
WILLOW. Rosemary leaved, grafted on 7-foot stems splendid for lawn decoration. Each \$2.00, doz. \$20.00.

THE JAPANESE MAPLES

These represent the highest development of complex, vivid beauty in hardy trees and shrubs. They are small and bush-like in growth, with their leaves delicately cut and oddly formed or brightly colored. They are invaluable in all landscape work, and adapted for plantings in front of evergreen borders, or in groups for color effects, or for individual planting in prominent places. They are reliably hardy in all but the coldest sections of the United States. Transplant easily and mature quickly.

POLYMORPHUM. This is the parent of most of the other varieties. It is the tallest grower and as hardy as any. The small green leaves are not cut so deeply as those of some kinds. It has bright green foliage in Spring and Summer, and in Fall the leaves are often of different shades, some scarlet, some yellow, and some trees have both tints upon their foliage. But whatever color it is, there is a gorgeous showing. 1 to 2 ft., each \$1.00, doz. \$10.00; 2 to 3 ft., each \$1.25, doz. \$12.00; 3 to 4 ft., each \$2.50, doz. \$25.00.

SANGUINEUM, VAR. CRISPUM. (Blood-leaved Japan Maple.) Leaves similar in shape to the above, purple in Spring, changing as the season advances to a coppery hue in the Fall. One of the best varieties. 1 to 2 ft., each \$1.00, doz. \$10.00; 2 to 3 ft., each \$2.00, doz. \$20.00; 3 to 4 ft., each \$3.00, doz. \$30.00.



Norway Maple

POLYMORPHUM, VAR. ATROPURPUREUM. A blood-leaved sort that holds its dark coloring throughout the season.

1 to 2 ft., each \$1.00, doz. \$10.00;
2 to 3 ft., each \$2.00, doz. \$20.00;
3 to 4 ft., each \$4.00, doz. \$40.00.

DISSECTUM. This is a low spreading form with very deep and delicately cut green leaves. Used at the front of collections or as an individual. As this is more dwarf than the other kinds, our plants will probably not be as large.

1 to 2 ft., each \$1.00, doz. \$10.00;
2 to 3 ft., each \$2.00, doz. \$20.00;
3 to 4 ft., each \$3.50, doz. \$35.00.

DISSECTUM PURPUREUM. A purple-leaved form of the above.

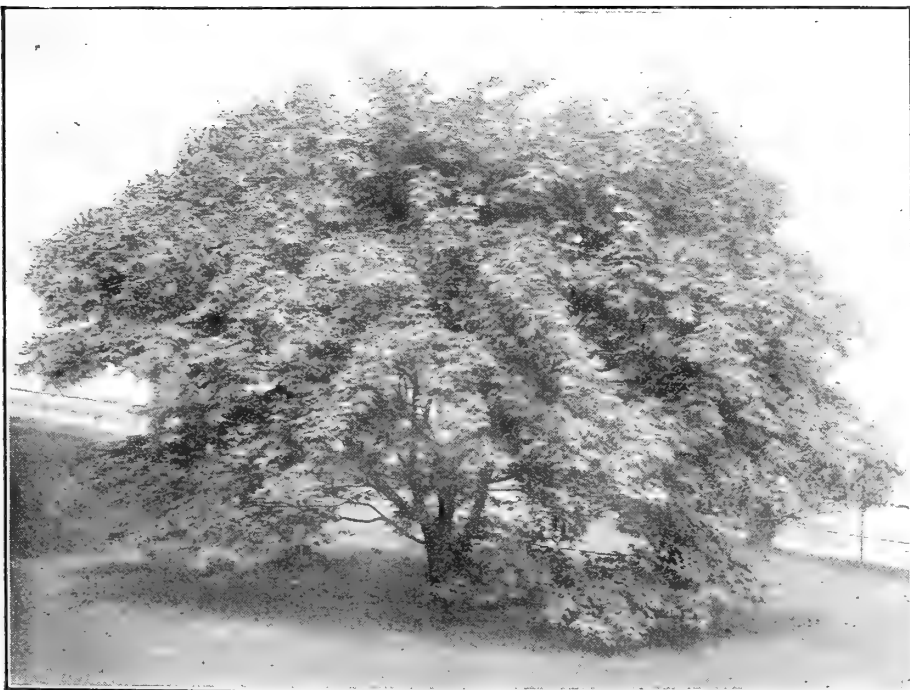
1 to 2 ft., each \$1.50, doz. \$15.00; 2 to 3 ft., each \$3.00, doz. \$30.00;
3 to 4 ft., each \$4.50, doz. \$45.00.

NIGRUM. The young twigs are almost black, the foliage dark purple and more constant than the other sorts.

1 to 2 ft., each \$1.00, doz. \$10.00;
2 to 3 ft., each \$2.00, doz. \$20.00;
3 to 4 ft., each \$3.50, doz. \$35.00.

AUREUM. Yellow-leaved; very showy, an excellent variety for color with the dark-leaved sorts.

1 to 2 ft., each \$1.50, doz. \$15.00;
2 to 3 ft., each \$3.00, doz. \$30.00;
3 to 4 ft., each \$4.50, doz. \$45.00.



Acer Polymorphum Atropurpureum

POULTRY SUPPLIES

Prairie State Incubators

To those who desire to rear as well as to hatch chicks and ducks, the selection of an incubator is of vital importance. The high death rate experienced with chicks the first ten days after being hatched is more frequently due to imperfect incubation than to any other cause. An incubator which hatches weak, anæmic chicks will prove most costly in the long run. It is to this important fact that we call your attention in presenting to your consideration our 1908 Prairie State Incubator. It is a machine that needs no introduction to poultry raisers—its many years' standing as a leader—its most advanced ideas in automatic operation and ventilation—make it the best known and most widely used incubator on the market.

Construction of Prairie State Incubator

The outside case is finished in natural wood, unstained. The heating system is a combination of radiant heat with the diffusive system of ventilation, thus securing the most uniform distribution of heat of any incubator made.

REGULATOR

This is our new improved all-steel and zinc thermostat, very powerful and accurate, controlling the temperature automatically, to the fraction of a degree.

MOISTURE

The hen that steals her nest on the ground practices natural incubation; the Prairie State Incubators very nearly approach these conditions by using a pan filled with wet sand placed in bottom of machine in close proximity to the eggs.

RESULTS

This plan of supplying the heat and moisture produces the *greatest number of chicks and ducks* and they are *larger, stronger* and have more vitality than those produced by any other artificial means. The value in this is that a larger per cent. are successfully reared to maturity.

Prairie State Incubators are made in the following sizes:
No. 0.—100 hen eggs, 87 lbs. net weight, 135 lbs. crated, \$18.00.

No. 1.—150 hen eggs, 115 duck eggs, 108 lbs. net weight, 160 lbs. crated, \$22.50.

No. 2.—240 hen eggs, 200 duck eggs, 175 lbs. net weight, 240 lbs. crated, \$32.00.

No. 3.—390 hen eggs, 300 duck eggs, 220 lbs. net weight, 275 lbs. crated, \$38.00.



Prairie State Incubator

Prairie State Incubator Junior No. 2

In response to a demand for a cheaper yet high grade machine, we recommend our Junior No. 2. A complete machine with the same principles of heat distribution and applied moisture as the regular Prairie State. Price \$15.00.

Prairie State Combination Colony Brooders

This line of outdoor brooders is the most practical that has ever been placed on the market. They have been operated in zero weather, as well as in the middle of August, with equally successful results. The 1908 Combination Colony Brooders are a distinct improvement over any other style of outdoor Brooders, in that the chicks can be reached and fed and the brooder cleaned without removing the roof, as is the case in the old style outdoor brooders. Our Combination Brooders are provided with the Universal Hovers—which are removable—thus providing a coop when the chicks no longer require a nursery. This double feature of the Prairie State Combination makes it the best value, for the money, of any device offered to poultry-raisers.

COMBINATION COLONY HOUSE BROODERS

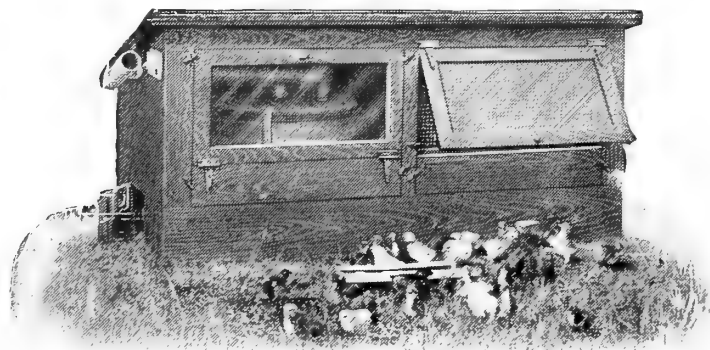
No. 1.—(Outdoor) Floor space 36 x 72 inches, weight, crated, 300 lbs., \$18.00.

No. 2.—(Outdoor) Floor space 30 x 60 inches, weight, crated, 208 lbs., \$14.00.

No. 3.—(Outdoor) Floor space, 27 x 48 inches, weight, crated, 150 lbs., \$10.00.

No. 5.—(Indoor) Floor space 36 x 36 inches, weight, crated, 100 lbs., \$10.00.

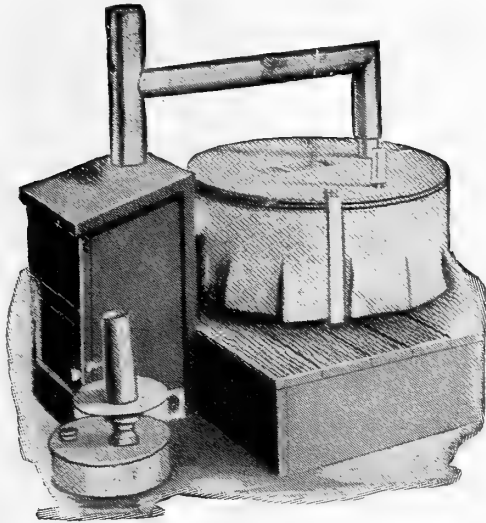
Heat regulator attached to any of the above brooders, \$1.00 extra. Large illustrated catalog mailed on request.



Prairie State Combination Colony Brooders

Prairie State Universal Hovers

The Universal Hover has completely revolutionized the rearing of chicks. No device ever offered to the poultry-raiser has received such indorsement. From the coldest parts of Canada to the warmest parts of the South, in cold weather and hot weather, it has been an overwhelming success. As its name implies, our Universal Hover has a universal sphere of usefulness. There is practically no limit to its adaptability. It may be used as an individual brooder, in brood houses alone or in combination with a hot-water pipe system, or may be used as an indoor brooder in almost any kind of building. It may be attached to any form of outdoor brooder 2 feet or more in height, to any size or form of colony house, shed, coop, piano, dry-goods or organ box. It also enables those who wish to build their own brooders to get the best brooding device possible in an economical manner.



The hover is 22 inches in diameter, the top of which is wood, lined with strawboard, a 4-inch rim extending downward to which are attached 6 inches of felt curtains. The hover stands on three iron feet, but is not stationary, and may be raised and moved instantly, if desired.

Surrounding the hot-air flue or chimney is a fresh-air pipe through which fresh air, slightly warmed, is injected into the upper part of the brooder. This diffuses downward and through the curtains, thus furnishing a perfect system of ventilation.

Universal Hover, with lamp case, smoke conductors, lamp and thermometer, \$7.00; Regulator, extra, \$1.00; Hover, for indoor use, with fixtures, no lamp case, \$6.00.

Appliances for the Poultry House

We carry a full line of labor and time saving devices and all articles necessary to proper sanitary conditions of your poultry quarters. We can give you prompt shipment on any of the following articles, which we list and keep continually in stock. Prompt attention to mail orders.

Mann's Bone Cutter. This machine will cut easily and perfectly any bone, no matter how dry or hard. No. 7½ (hand or power), \$16.00; No. 7 (for 100 to 200 hens), \$12.00; No. 5 B M (for 25 hens), \$10.40; No. 5 B (same as 5 B M, but no stand), \$8.00; No. 5 C (same as 5 B, but has crank instead of balance wheel), \$6.00.

Improved Standard Bone Cutter. All the standard bone cutters are constructed with two horizontal cylinders, and the cutter plates are fitted with knives always in sight, which will make ten complete cuts.

No. 9 Bench Cutter, \$8.80; No. 8 with Balance Wheel and Legs, \$10.50; No. 7 Bench Machine with Short Legs, \$14.50; No. 6 with Balance Wheel and Leg, \$15.50; No. 3 with Balance Wheel and Leg, \$17.75; No. 4 with Double Wheel Cutter, \$19.90.

Root and Clover Cutters

Banner Root Cutter No. 7. A machine made expressly for poultrymen. It quickly cuts the vegetables into long, round, ribbon-like slices that resemble a bunch of angleworms. It is a valuable addition to the poultry house, and is highly recommended by the best poultry experts in the country. Price \$5.00.

Mann's Clover Cutter for Poultry. Made entirely of iron and steel. Cannot warp or shrink. This machine is designed upon strictly correct mechanical principles. It cuts any kind of hay or clover, either dry or green. Clover Cutter B with Balance Wheel, \$8.00; Clover Cutter B M, with Balance Wheel Iron Stand, \$10.00.

Bone and Grit Crushers

Dry Bone and Shell Mill. This mill is made for grinding dry bones, shells, grain and many other substances for poultry. It can also be furnished with iron legs if desired. Price complete, as shown in cut, \$5.00; with iron legs, \$7.00.

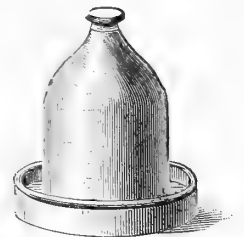
Mann's Cast-Iron Mortar. Patent applied for. Designed expressly for breaking glass, crockery ware, oyster shells, or other dry substances for poultry. Price \$3.00.

Drinking Fountains

S. & W. Sanitary Fountain. Made of heavy galvanized iron. Easily cleaned and filled. The best and most convenient fountain on the market. ½-gal. 50c., 1-gal. 75c., 2-gal., \$1.00.

Davis Food and Water Fountain. Patent pending. Price 25c. each, postage 15c. each extra. \$2.70 per dozen.

Sanitary No. 1 Poultry Fountains, White Glaze. It is made in two parts, the saucer being separate from the upper portion so it can be easily separated and thoroughly cleaned. ¼ gal. 25c., ½-gal. 35c., 1-gal. 50c., 2-gal. 75c.



The "Sanitary" Poultry Drinking Fountain. Can be thoroughly and easily cleaned. Will go into any brooder. 1-gal. 50c., per doz. \$5.50; 2-gal. 85c., per doz. \$9.00.

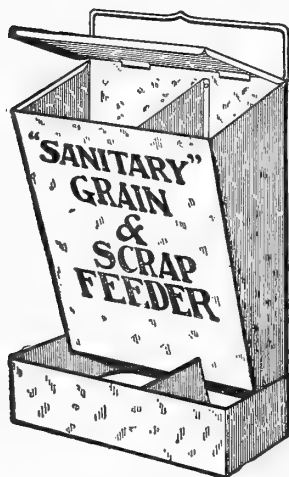
Food or Water Cups for Exhibition Coops. Made of galvanized iron, strong and durable, hold ½ pint each, enough for all ordinary purposes. The wires can be bent to secure them to any style of coop. Each 15c., per doz. \$1.50. If to be sent by mail, add 5c. each for postage.

"Standard" Galvanized Iron Drinking Fountain. 2-quart, for ducklings, each, 25c.; three 2-quart, 70c.; six 2-quart, \$1.25. 3½-quart, for fowls, each, 35c.; three 3½-quart, \$1.00; six 3½-quart, \$1.80. 7-quart, for ducks, each, 50c.; three 7-quart, \$1.40; six 7-quart, \$2.50.



Nesco Founts.—Rounded. Top made of galvanized iron, durable and sanitary. ½-gal. size 25c., 1-gal. size 50c.

Food Hoppers and Feeders



S. & W. Grit and Shell Box.

This is a sanitary self-feeding box made of heavy galvanized iron, and with ordinary care will last a lifetime. It is a practical labor-saving device for feeding grit, shell, charcoal, dry mash or grain. It is made with three compartments, and will hold four quarts. 50c. each, \$5.50 per doz.

S. & W. Dry Food Hopper.

An economical and sanitary self-feeding device for use with dry food. A dry food hopper is a practical labor and food saving device for feeding dry grain food, either

whole or ground. These hoppers are well made of heavy galvanized iron. These hoppers are intended to be hung against the wall of a poultry house. This method of feeding is a most economical and practical one. Each 75c., per dozen \$8.25.

Lathrop Chick Device. This is a very practical device for serving water, grain, grit or soft food to chicks. The chicks cannot get into it and drown. Price 25c., 35c. postpaid; \$2.50 per dozen by express.

"Sanitary" Automatic Feed-Pan. No chick or fowl can outwit it. No getting into it. No scratching food out. No roosting on it. No soiling food by droppings. The food saved soon pays the cost. Price \$1.00

Mann's Swinging Feed Tray for Poultry. Description—(1) A Swinging Tray. (2) Automatic Tip Rod. 18-inch tray \$1.00; 27-inch tray \$1.25; 36-inch tray \$1.50.

Boston Dry Hood Hopper. The latest improved food hopper on the market. There is no waste of the food as the grillwork in the front of the hopper prevents it being scattered while fowl are eating. Made in two styles. 1. For dry food, holds $\frac{1}{2}$ bu., price \$1.25. 2. For meat scraps, shells, grit or charcoal, holds one peck, price \$1.00.

Instruments

Caponizing Instruments. Poultrymen can double their profits by caponizing their chicks. The operation is very simple. The demand for capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. The object of caponizing is to largely increase the weight of fowl. Complete with instructions, \$2.50; in velvet-lined case, \$2.75, postpaid.

The Farmers' Caponizing Set. Differs somewhat from the Philadelphia Caponizing Set inasmuch as a twisting and a tearing scoop is used instead of the canula for removing the testicles. Price, complete with instructions in velvet-lined case, \$3.00 per set, prepaid.



Pilling French Poultry

Killing Knife. Every poultry raiser should

have one of our killing knives. They are made of finely tempered instrument steel, with nicked handle. Sent postpaid on receipt of 50 cents.

Pilling's Poultry Killer. The use of this knife is so simple that the most inexperienced can do the work of an expert in killing poultry. By simply turning the wrist the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using the water. 50c. net, postpaid.

Disinfectants and Germicides

Conkey's Taroline Germ Destroyer. It mixes with water, one gallon making 100 gallons of disinfectant. For Poultry Diseases. It is an invaluable remedy for all germ diseases and its use prevents disease. It cures diphtheria, cholera, chicken pox, sore eyes, favus, etc. Unequaled for purifying brooders, founts, runs, etc. 1 pint 35c., 1 quart 60c., 2 quarts 90c., 1 gallon \$1.50.

Disinfectants

Sulpho-Napthol. $\frac{1}{2}$ -pt. bottle 25c., 1-pt. bottle 50c., 1-qt. bottle 1.00, $\frac{1}{2}$ -gal. can \$1.75, 1-gal. can \$3.00.

Pino Lyptol. 1-qt. can 65c., 1-gal. can \$1.70.

Creozone. 1-qt. can 50c., 1-gal. can \$1.00.

Roofing Sheathing Papers.

Rutherford Red Rope Roofing Papers. Can be used for roofing or sheathing, as it is vermin-proof. Rolls 36 inches wide, with caps and nails to each roll. Roll containing 100 sq. ft. \$1.20, roll containing 250 sq. ft. \$3.00, roll containing 500 sq. ft. \$6.00.

Ibex Sheathing Paper. The best non-conducting sheathing paper, as it is air-tight and acid-proof. 36 inches wide—1000 sq. ft. to roll. Ibex—1 ply \$2.50 per roll, 2 ply \$4.00 per roll, 3 ply \$6.00 per roll. Ibex (extra) 1 ply \$3.00 per roll; 2 ply \$5.00 per roll; 3 ply \$7.00 per roll.

Food Cookers

Food Cookers. To supply the needs of many poultrymen, who are in business in a small way, for a low-priced food cooker, we offer the following sizes and styles.

Granite State Cooker is made with *double steel sides*, and can be used for heating or cooking all kinds of food for poultry, hogs, cattle or dogs, also for heating water when butchering hogs, and it has an extra boiler for rendering lard and making soft soap. This cooker is sold under an absolute guaranty.

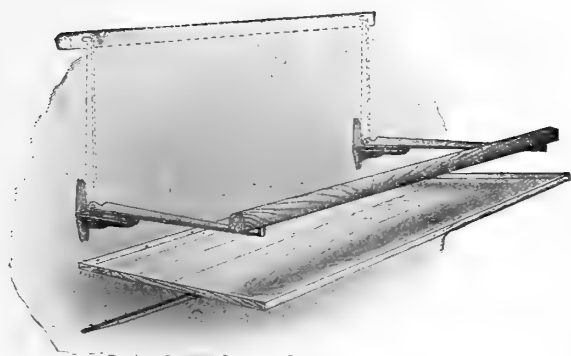
Prices and Sizes of Granite State Cookers

Gallons	Boiler, Inches	Furnace, Inches	Ins. High	Fire Box, Inches	Ins. High	Weight, Lbs.	Price
25	20x24x13	20x30	24	18x24	12	142	\$15.00
30	20x30x13	20x36	24	18x30	12	150	16.50
40	24x30x13	24x36	24	22x30	12	183	19.50
50	24x36x13	24x42	24	22x36	12	195	21.00
65	24x42x13	24x48	24	22x42	12	203	22.50
75	24x50x13	24x56	24	22x50	12	210	24.00
100	24x60x16	24x66	24	22x60	12	238	27.00

Albany Poultry-Food Cooker. This cooker was designed to meet the demand of the poultryman who wants a low-priced cooker and water heater with the added advantages of a dumping arrangement. It is made of the same quality of material as that used in the *Granite Cookers and Heaters*, but has no grate. The bottom of the fire box should be covered with ashes to a depth of about two inches before starting the fire. The dumping arrangement (for 25-gallon size only) allows the boiler to be tipped so that the contents may be poured out. Prices and dimensions of the Albany Cookers:

Gallons	Boiler Inches	Furnace Inches	Fire Box Inches	Weight Lbs.	Price
25	20x24x12	20x24, 19 high	18x24	60 with dumping arrangement	\$9.00
50	20x40x15	20x40, 19 high	18x40	100 without dumping arrangement	11.00

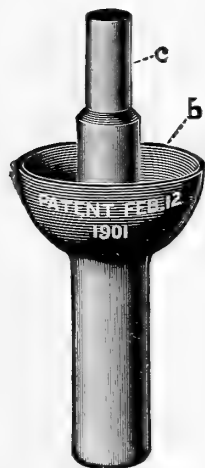
The price includes a cover, elbow and one joint of 6-inch pipe.



Anti-Louse Roost Brackets and Perches

Davis' Anti-Louse Roost Brackets. Prevent Midge Louse or Red Mite ravages. Neatest and most practical poultry roost on the market. Prevents lice from getting onto the roost from the building, or vice versa, and allows the roosts to be raised up out of the way for cleaning the platform, painting underside of roosts, etc.

We have them as shown in Fig. 1, for single roosts, and also furnish brackets complete for use where several roosts are attached to one frame. A set of No. 2 style brackets consists of two hinged brackets for attaching roost to wall, two supporting brackets which are to be fastened to the wall 24 to 30 inches above the roost brackets, and a connecting safety chain which supports outer end of roost, one end of which is to be attached to upper brackets, and the other end engages a screw on the crosspiece of roost, as shown. Prices, No. 1 or Single Roost Style: Brackets only, per pair 75c.; three pairs \$2.00; six pairs \$3.50; twelve pairs \$6.25. No. 2, or Multiple Roost Style: Brackets complete, as above, without Roosts, per set \$1.25; three sets \$3.25; six sets, \$6.00; twelve sets \$11.50.



end and the Handy Drop Cups on the other side, or end. Price 40c. per pair.

Eureka Oil Cup Bracket and Perch Support. Represents two solid malleable iron brackets, one at each end of a 2 x 3 perch of any desired length, with the oil cups directly under the perch. In order to adjust the perch, place the brackets any desired height. Price 50c. per pair.

The Handy Drop Cup. Are for the poultry house which is so constructed that it may be more convenient to use Brackets on one side, or at one

Egg Producers and Tonics

S. & W. Egg Tonic. Invaluable as an egg producer during the winter months when eggs are scarce and prices high. Feed in a mash in moderate proportions and sure results are certain. 2-lb. package 25c.

Pratt's Poultry Food. Cures chicken cholera; produces eggs. It positively cures and prevents chicken cholera, roup, gapes and all diseases. It makes young chicks grow quickly. It will increase the quantity of eggs. It will help molting fowls and make them lay sooner. 26-oz. package 25c., 4-lb. package 50c., also in 12-lb. sack \$1.25, 100-lb. bag \$9.00.

Pratt's Food for Horses and Cows. It regulates the bowels, blood, liver and digestive organs, and consequently it builds up run-down horses, restores lost appetite, prevents and cures pink eye, distemper, heaves, colds, colic.

Conkey's Egg Producer and Poultry Tonic is a great egg producer. It will make your hens lay more eggs, especially in the winter. Price 25c.

Myers' Royal Poultry Spice is richest in all the constituents that compose the egg. It is to a hen what clover is to a bee. 25-lb. bag \$3.00, 5-lb. bag 65c., 2-lb. carton 25c., 8-oz. carton 10c.

Harding's Uncle Sam Egg Producer. It not only supplies the egg producing elements, but also prevents leg weakness, cholera, roup, and kindred diseases. Stops egg eating and feather pulling. The only proper food during the molting season. Put up in neat two-pound packages. Price 25c. Express to be added.

Rust's Egg Producer greatly increases egg production and makes poultry keeping, in proportion to the outlay, the most profitable of rural pursuits, as the demand for fresh eggs is constantly increasing. 1-lb. box 25c., by mail 44c.; 2½-lb. box 50c., by mail 94c.; 6-lb. box \$1.00, 10-lb. box \$1.50, 25-lb. box \$3.50.

S. & W's High Protein Beef Scrap. We have no hesitancy in recommending our High Protein Beef Scrap as the best on the market. We guarantee the purity of this scrap. Ordinary commercial scrap contains only 35 to 45 per cent. protein, while our scrap, as analyzed by the New York State Board of Agriculture, shows 50 to 65 per cent. Protein is the essential element in poultry foods. 100-lb. bag \$3.25.

"Spratt's Patent" Poultry and Game and Dog Foods and Medicines

We are general agents for all of "Spratt's Patent" preparations, and carry in stock most of their goods, and can supply anything on very short notice.

Spratt's Patent Chick Meal is a substitute for insect life in addition to its other advantages, and thereby reduces mortality to a minimum. \$6.00 per 100 lbs., \$3.25 per 50 lbs., \$1.75 per 25 lbs., 75c. per 10 lbs.

Spratt's Patent Poultry Food. Used at the principal poultry shows all over the world. The most successful food for all kinds of poultry; \$6.00 per 100 lbs., \$3.25 per 50 lbs., \$1.75 per 25 lbs., 75c. per 10 lbs., per carton 25c.

Spratt's Patent Dog Soap is of the greatest value to dog owners, as it is entirely **Free From Poison**, and at the same time most effective in the destruction of lice and fleas. Price 20c. per tablet.

Spratt's Patent Dog Cakes. These celebrated dog biscuits are a complete and ample food. They should be fed dry.

Patent Meat "Fibrine" Vegetable Dog Cakes. (With beet root), \$6.50 per 100 lbs., \$3.25 per 50 lbs., \$1.75 per 25 lbs., 80c. per 10 lbs., 40c. per 5 lbs., 25c. per 3 lbs.

Patent Puppy Biscuits. \$7.00 per 100 lbs., \$3.50 per 50 lbs., \$1.90 per 25 lbs., 50c. per 5-lb. package 30c. per 3-lb. package.

Egg Turning Devices

Houghton's Wire Egg Turner. This Turner is made for the use of all poultry breeders, large and small, to hold and turn eggs which are to be used for hatching. 28 dozen, 336-egg size, \$4.25; 42 dozen, 504-egg size, \$5.50; 84 dozen, 1008-egg size, \$8.50.

Fencing Poultry Netting

Hexagon Poultry Fencing. Many purchasers complain that the ordinary Hexagon Poultry Fencing commonly sold on the market does not unroll evenly, and warps out of shape soon after, or while being put up. The Hexagon Poultry Fencing here described has a heavy selvage of wire of equal length. For this reason our fencing, when unrolled, lies flat and the crosswires form a nearer hexagon shaped mesh than any other hexagon fencings. We carry in stock all sizes of 1 and 2 in. mesh. Prices variable. Quotations on request. Write for circular giving lowest prices; for immediate acceptance.

American Fence Steel Wire Poultry Fence. Made in two weights. Put up in 10 and 20 rod rolls. For detailed price list, with height and weight specification, send for circular.

Styron-Cedar Picket Fence. Very adaptable, as it can be made portable. Made in four styles—one style the O. G. poultry fence—another style greatly used by duck growers, the lasting qualities of the cedar pickets making it durable in water. For price list and description send for our complete circular.

SUNDRIES

Egg Boxes—Egg Carriers

Paper Egg Boxes. Just the Thing for Your Family Egg Trade. These boxes are intended for use in delivering eggs to private families. They are exceedingly neat in appearance. They ship "knocked down," can easily be set up and sent by express or freight at very low rates. 1-doz. size, per doz., 25c.; per 100, \$1.00, per 1000 \$7.50.

Otselic Egg Crates. Designed for shipping and delivering fancy fresh eggs to market or private customers. Cover has hinges and a patent crate fastener on, and the ten dozen and larger crates have a handle on each end, so they can easily be carried in the hand. Blocks are directly between the eggs so it is impossible for eggs to get broken by jar or shaking and the cover is arranged on same principle. Prices on application.

Leg Bands and Markers

Smith Sealed Leg Bands. All poultrymen are familiar with the fact that substitution of poor birds for good ones is not an unknown feature of the showroom. Purchasers wish to make sure that they are securing the bird bargained for, and when banded with Smith's Sealed Leg Bands this is made certain. Smith Sealed Leg Bands provide a positive protection against fraud. They are so constructed that they cannot be removed without destroying the band, and as no duplicate numbers are issued, it is impossible for one fowl to be substituted for another without detection. Made in six sizes:—No. 1 for Bantams, No. 2 for Mediterranean and Pit Game females; No. 3 for Mediterranean males, American females and Pit Game males; No. 4 for American males and Turkey hens; No. 5 for large Asiatic males and Turkey toms; No. 6 for extra large Asiatics and large Turkey toms. 12 for 30c., 25 for 50c., 60 for \$1.00, 100 for \$1.50, 250 for \$3.50, 500 for \$6.50, 1,000 for \$12.50.

Double Clinch Leg Bands. The Double Clinch is one of the most popular flat bands on the market. It has an exceptionally strong fastening, consisting of two clinches which close down over the ends of the band in such a way as to make it practically impossible to lose them off. These bands are made in the same sizes as the Smith Sealed Bands. In ordering always state

size desired. Prepaid by mail or express: 12 for 15c., 25 for 25c., 50 for 40c., 100 for 65c., 250 for \$1.50, 500 for \$2.75, 1,000 for \$5.25.

Leg Bands and Markers. It is important that every chick is marked, and every fowl banded. The best way to keep a record of the chickens is by punching the web in the chick's foot soon after it is hatched.

Standard Perfect Marker. This punch is so simple in construction that it will appeal to all as a practical tool. It makes a good, clear, clean cut, and does not mutilate the web. Price 50c. each.

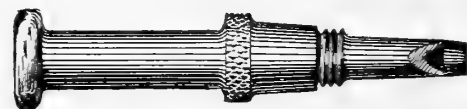
The Philadelphia Poultry Marker.

This marker is made in two sizes—one for chicks and one for adult fowls. The sizes of holes punched are shown by the black dots printed at one side of this marker. Price 25c. each, postpaid.



Davis Chick Marker.

This is a neat little tool which can be carried in the vest pocket. Punch is reversible and cuts two sizes as shown. Price 25c., postpaid.



Wire Nests. These nests are strongly made from heavy japanned steel wire, 1½-inch mesh. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean and are far superior to wooden boxes. Price, each 15c., per dozen \$1.50. Special prices for larger quantities.

Porcelain Nest Eggs. These eggs are made of first-class flint glass, they do not break easily and will last a lifetime. Price, two 5c., per dozen 25c.

Poultry Remedies

Havens' Roup Pills. For the cure of roup, catarrh, cold and distemper. Price, per box, 25c.; by mail, 28c., per doz., by express, \$2.50. Box of 250 pills, \$1.00.

Use Sheridan's Condition Powder. Makes hens lay and keeps your chickens strong and healthy. Prevents all diseases—cholera, roup, leg weakness, etc. 25c., large can \$1.00.

Conkey's Cholera Cure. Is a positive cure for Bowel Trouble, Indigestion, Diarrhoea, Dysentery, Cholera, etc., in fowls, both old and young. It tones up the system and puts the flock in excellent condition. It is highly recommended for Turkeys and Pigeons. Price 50c. per box, postpaid; makes 50 gallons medicine.

Harding's Positive Cholera Cure. Is endorsed by the highest and best known poultrymen and fanciers in this country. It cures and prevents Cholera, Diphtheria, Gapes, Diarrhoea, Debility and all bowel diseases. This is a powder composed of the best and purest materials obtainable. It is also designed for Turkeys, Geese and Ducks. Price, 1 lb. box, 25c. By mail, 40c.

Conkey's Gape Cure. A truly wonderful remedy for the cure of this disease. It is prepared so that it can be given in the soft feed. It is absolutely sure and safe in its results. Also excellent for use as a preventive. Price 50c. per box, postpaid.

Conkey's Roup Cure. Conkey's Roup Cure is guaranteed by its manufacturers to cure roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds, and is unequalled for canker, especially in pigeons. Small size package 50c., large size package \$1.00, postpaid.

Lice Powders and Paints

Harding's Uncle Sam Poultry Remedies. Owing to the great demand for remedies that would effect a sure and speedy cure, Mr. Harding, after spending years of labor, and at a heavy expense, placed upon the market, some eight years ago, this excellent line of high grade and successful remedies. Harding's Uncle Sam Egg producer 25c., Harding's Successful Roup Cure 50c. and \$1.00, Harding's Positive Cholera Cure 25c., Harding's Antiseptic Lice Killer 25c. and 50c., Harding's Scaly Leg Cure 25c., Harding's Antiseptic Lice Ointment (for chick or child) 10c. and 25c.

Stumpp & Walter's Lice Powders—Liquids—and Egg Producers. We have satisfactorily introduced to our trade a line of the above goods—1st quality—which we put up under our own brand and name. They have given every satisfaction and we do not hesitate to recommend them for their efficiency, as they are the best.

S. & W. Lice Powders. 5 oz. 10c., postpaid 15c.; 15 oz. 25c., postpaid 40c.; 48 oz. 50c., postpaid \$1.00; 100 oz. \$1.00, express.

S. & W. Lice Liquid. Qt. can 35c., ½-gal. can 60c., express.

Conkey's Head Lice Ointment. Head lice kill thousands of little chicks annually. They fasten themselves on the chick's head and neck as soon as hatched, and quickly sap up all the chick's vitality. Also good for scaly legs. 1-oz. tin, enough for 100 applications, 10c. postpaid; 2-oz. tin, enough for 300 applications, 25c. post paid.

Conkey's Lice Liquid. Probably the greatest enemy of the domestic fowl is the mite. A powder cannot reach them. *Conkey's Lice Liquid* painted or sprayed over the roosts, etc., will positively rid your fowls of this pest. 1-qt. can 35c., 2-qt. can 60c., 1-gal. can \$1.00, 5-gal. can (jacketed) \$4.00, express extra.

Knox Nest Egg. A Scientific Triumph. Lice Killer and Nest Egg combined. They are effective, lasting and not expensive. They do not affect the flavor of the egg or injure it for hatching. All genuine have embossed on them, "KNOX NEST EGG." 10c. each, \$1.00 a dozen.

Lambert's Death to Lice. A disinfectant insect powder. Much depends on keeping the poultry house clean, and powder on the birds themselves and in their nests. Setting hens, well dusted during incubation, will bring off a healthy brood. 5-oz. box (trial size) 10c., postpaid 15c.; 15-oz. box (regular size) 25c., postpaid 40c.; 48-oz. package (farmers' size) 50c., postpaid \$1.00; 100-oz. package (poultrymen's size) \$1.00, express paid \$2.00.

Lambert's "Death to Lice" Ointment. For head lice on little chicks. Harmless and efficient. 1-oz. size 10c., 3-oz. 25c.

Lambert's "Death to Lice" Special. Dissolve the "Special" in kerosene, and you have an efficient liquid lice paint. 4-oz. size 10c., 16-oz. size 25c., or postpaid 40c.

Rust's Lice-Killing Powder. This powder is used for dusting. Rust's Lice-Killing Powder kills vermin on fowls, animals, plants. Directions will be found in each box. 5-oz. box 10c., 16-oz. box 25c., 48-oz. box 50c., 112-oz. box \$1.00.

Rust's Liquid Lice Killer. This preparation is not only a certain destroyer of vermin of every sort, but it is also a positive germicide and disinfectant. Rust's Liquid Lice Killer is destructive to all sorts of vermin, and has a great range of usefulness, being equally destructive to disease germs, vermin that infest poultry, poultry houses. Qt. can 35c., ½-gal. can 60c., 1-gal. can \$1.00, 5-gal. can \$4.00.

Pigeon Supplies and "Quality Kind" Poultry Food

The Right Kind of Pigeon Food. The pigeon-raising industry has made phenomenal strides during the last few years. Squab raising as well as "the fancy" has become very profitable. Our pigeon food is not composed of cheap stock, but is selected with care from nutritious materials and mixed with a view of giving maximum results. Fifty pounds \$1.50, one hundred pounds \$2.75.

Salt Cat. A combination grit and tonic for pigeons. It aids digestion, invigorates the system and promotes good health. Per brick 10c., per dozen \$1.00.

Pigeon Bath Pan. Made of heavy galvanized iron, 19 inches square, 4 inches deep, capacity 5 gallons. Price \$1.00, \$11.00 per doz.

Pigeon Baths. Made of white glazed stoneware, 3 x 12 inches. Price 35c. each.

Earthen Pigeon Nests. Made of red clay, with heavy bottom, therefore not easily upset. These nests are practical Pigeon Nests. Made in two sizes, 8 and 15 inches. Prices 8 in., 10c. each, \$1.00 per doz.; 15 in., 25c. each, \$2.50 per doz.

Fibre Squab Nests. Now universally adopted by all squab breeders. Don't break or warp and are easily cleaned. Price, 15c. each, \$1.00 per doz.

Our "Quality Kind" poultry foods are as their name indicates of first quality. All the grains used are sound and whole and all our foods are pure grains, with no grit or impurities.

Scratch Food. 50 lbs. \$1.40, 100 lbs. \$2.25, 500 lbs. \$10.50, 1000 lbs. \$20.50, 2000 lbs. \$40.00.

Chick Food. 50 lbs. \$1.60, 100 lbs. \$2.75, 500 lbs. \$13.25, 1000 lbs. \$26.00, 2000 lbs. \$51.00.

Mash Food. 50 lbs. \$1.75, 100 lbs. \$2.50, 500 lbs. \$11.00, 1000 lbs. \$21.00, 2000 lbs. \$40.00.

Alfalfa Meal. 50 lbs. \$1.25, 100 lbs. \$2.00, 500 lbs. \$9.50, 1000 lbs. \$18.50, 2000 lbs. \$36.00.

Beef Scraps, Quality Kind. 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$16.00, 1000 lbs. \$31.00, 2000 lbs. \$60.00.

Spratt's Chick Food. 50 lbs. \$3.25, 100 lbs. \$6.00, 500 lbs. \$25.50, 1000 lbs. \$50.00, 2000 lbs. \$95.00.

Spratt's Pheasant Food. 50 lbs. \$3.25, 100 lbs. \$9.50, 500 lbs. \$25.50, 1000 lbs. \$50.00, 2000 lbs. \$95.00.

Mico Spar Grit, for chick, pigeon, fowl. 50 lbs. 45c., 100 lbs. 75c., 500 lbs. \$3.50, 1000 lbs. \$6.50, 2000 lbs. \$13.00.

Oyster Shells, fine or course. 50 lbs. 40c., 100 lbs. 70c., 500 lbs. \$3.25, 1000 lbs. \$6.25, 2000 lbs. \$12.00.

Charcoal, fine or course. 50 lbs. \$1.25, 100 lbs. \$2.00, 500 lbs. \$9.00, 1000 lbs. \$17.00, 2000 lbs. \$32.00.

ASPARAGUS KNIVES



English Saw Toothed, each.....\$1.00



American V-shaped, each.....\$0.30



American Straight-edge, each.....\$0.30

ASPARAGUS BUNCHER, 20th Century

It is so constructed that it can be operated very much quicker than any other buncher made.

It will not bruise the grass.

It can be adjusted to any size bunch from 4 to 5 inches.

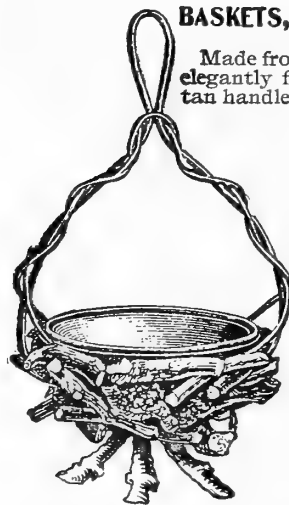
It will last a lifetime, as it is strongly built of iron and has no springs or delicate parts to wear or get out of order. Jaws open wide so that it may be quickly filled and bunch easily removed.

Anyone can operate it. Grass is firmly held so that butt ends can be easily cut while in bunches. Operator can use it either sitting or standing.

Price, \$3.00.

BASKETS, Rustic Hanging

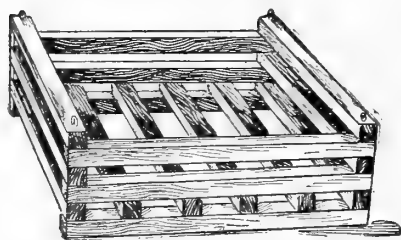
Made from Laurel Roots, elegantly finished and rattan handle.



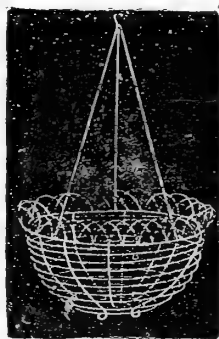
	Each	Doz.
8 in.	\$0.70	\$7.00
9 "	85	9.00
10 "	1.00	11.00
11 "	1.10	12.00
12 "	1.25	14.00
13 "	1.40	16.00
15 "	1.75	19.00

These baskets cannot be equaled in style, finish or make. They are ahead of any basket on the market. They will stand severe weather, and with a little care are good for 10 or 12 years' wear.

ORCHID BASKETS



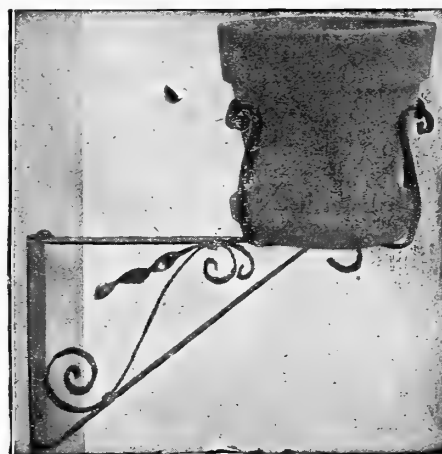
6 inch, each.....\$0.35	10 inch, each.....\$0.50
7 " " ".....45	12 " " ".....60



WIRE HANGING BASKETS

	Each.	Doz.
8 in.....\$0.25	\$2.75	
10 ".....30	3.00	
12 ".....40	4.00	
14 ".....50	5.00	

S. & W. CO'S FLOWER POT BRACKET

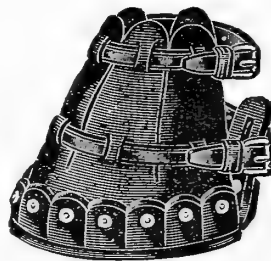


Made of steel, artistic in design and finish. Finished black, very strong and durable. Flower-pots and Saucers are absolutely secured by the spring clasp. Especially adapted to hold plain pots and saucers.

No.	Length of Arm.	Clasp to Hold.	Price Each.
1A	8 inch	5-inch pot.....	\$0.30
2A	10 "	6 " ".....	.40
3A	12 "	7 " ".....	.45

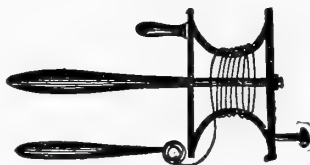
HORSE BOOTS

These boots are made from our own special design, and after two years' practical test by an expert greenkeeper have been pronounced



by him to be the best patterned boot made. The bottoms are made thoroughly water-proof and hardened by a special process. The toe is rounded and curved, which prevents cutting the finest lawn. In its construction copper rivets are used throughout, making it the strongest and most durable boot on the market. The simplicity of construction enables them to be quickly adjusted, while the method of fastening them to the hoof is positive and secure. Price, per set of four boots.....\$9.00

GARDEN LINE



Braided Line, 100 ft.....\$0.50
Garden Line Reels, malleable.....60

STRAWBERRY FORK



A useful hand tool for weeding or general garden use. Length, including handle, 10 in. Price 25c. each.

SPADING FORK



Made from very best material.
4-tine D handle.....\$1.00
5-tine D handle.....1.25
Long handles same price.

HAY FORKS



Finest quality steel, oval shaped tines; solid steel shank, patent ferrule, long and strapped.

2 tine.....\$0.50	per doz.....\$5.75
3 tine......60	per doz.....7.00
4 tine......70	per doz.....8.00

MANURE FORK



4-tine D handle, made of best material. Price, 85c. each; 5-tine, \$1.00 each. Long handles same price.

LADIES' GARDEN SET



3-piece garden sets; 1 each; shovel, rake and hoe. Made of the very best material and built for hard work.

Price, \$1.00 per set.

GREENWOOD SICKLE



The best and lightest Sickle; made from solid welded steel, one piece, no riveted back to get out of order. Used by the florists of Greenwood Cemetery. Every sickle guaranteed. Price, 60c. each; \$6.00 per doz.



For protecting the hands.
Heavy Goat,
pair \$1.00

TURF EDGING KNIFE

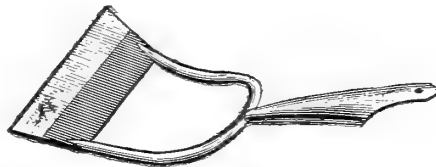


Socket handle, made of the very best steel, imported English.
Price, with handle.....\$1.50

ACME HOE



ENGLISH SCUFFLE HOES

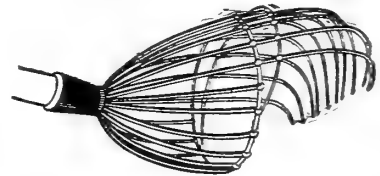


5 in.....	\$0.50	9 in.....	\$.70
6 in.....	.55	10 in.....	.75
7 in.....	.60	12 in.....	.85
8 in.....	.65	Handles roc. extra.	

TWO-PRONG WEEDING HOE



PERFECT FRUIT PICKER



Galvanized wire, to fit any sized pole.
Price, each.....\$0.35

BUDDING
KNIVES.

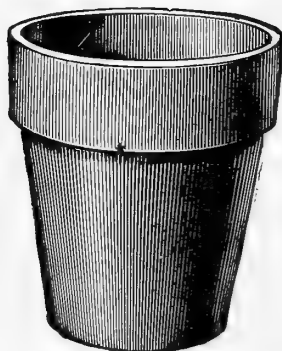


\$1.00	90c.	\$1.00	75c.	65c.	\$1.50	90c.	\$1.25	90c.	\$1.00	50c.	65c.
No. 1	Pruning knife, horn handle,	1 blade			Each \$1.00	No. A,	Budding Knife, ivory handle,	Saynor		Each \$1.50	
No. 2	"	"	"	"	.90	No. B,	"	bone	"	S. & W.	.90
No. 3	"	"	"	"	1.00	No. C,	"	ivory	"	S. & W.	1.25
No. 4	"	"	ebony	"	.75	No. D,	"	"	"	"	.90
No. 5	"	"	"	"	.65	No. E,	"	"	"	2 blades	1.00
						No. F,	"	ebony	"	1 blade	.50
						No. G,	"	bone	"	1 "	.65

REVOLVING TURF EDGER



For trimming turf around edges of walks and beds; a revolving knife enables the work to be done with rapidity. Price, \$1.25 each.



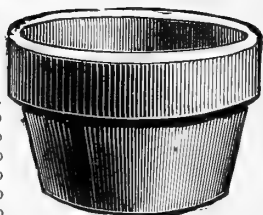
FLOWER POTS,

Standard

	Doz.	100
2 in.	\$0.10	\$0.60
2½ "	.12	.80
3 "	.15	1.10
4 "	.35	2.00
5 "	.45	2.75
6 "	.75	4.25
7 "	1.25	7.50
8 "	1.50	10.00
9 "	2.00	15.00
10 "	2.75	20.00
12 "	6.00	40.00

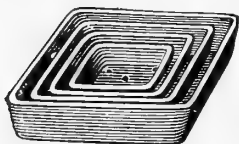
ROUND LILY PANS

H'g't.	Width.	Doz.
5x8 in.		\$1.00
5x10 "		1.50
6x12 "		2.00
7x14 "		4.00
8x16 "		8.00
9x18 "		12.00



COMMON FLOWER POT SAUCERS

	Doz.		Doz.
4 inch	\$0.25	9 inch	\$0.85
5 "	.30	10 "	1.00
6 "	.35	11 "	1.25
7 "	.40	12 "	1.50
8 "	.50	14 "	1.75



SQUARE SEED PANS

H'g't.	Width.	Doz.
6x6 in.		\$3.00
8x8 "		4.00
10x12 "		5.00
12x12 "		6.00



GRASS HOOK

Solid welded back, English make, best quality steel.

Small size	\$0.40
Medium size	.50
Large size	.60

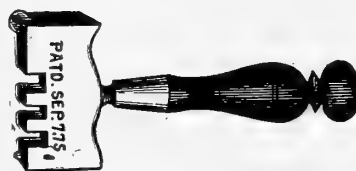


GRASS HOOKS

The Little Giant Grass Hook is a miniature scythe; looks right, hangs right and cuts right; the thing long sought for. Can mow a small lawn with it; can cut closer to trees, fences, etc. Can be used for cutting corn or clipping hedges. Forged steel shank, tanged handle.

Price, 50c. each.

GLASS CUTTERS



Diamond Glass Cutter

A diamond in one corner, and a wheel in the other, assuring a straight cut.

Ebony handle.....\$3.00

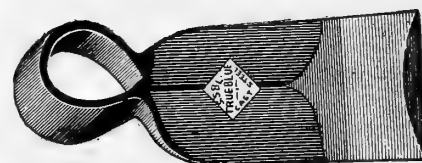


Steel wheel cutter, 10c. each; doz.....\$1.00



IMPORTED ENGLISH RIVETED BACK GRASS HOOK

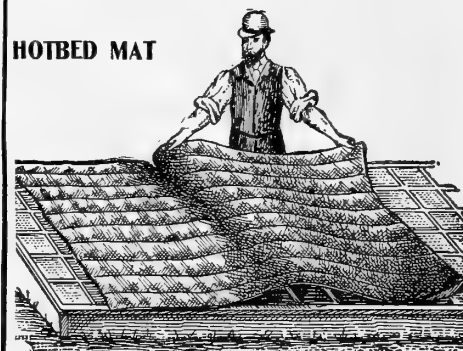
Small size	\$0.50
Medium size	.55
Large size	.60



GRUB HOE

Strong for grubbing out roots, clay, ditches, etc.
3½ lb. 85c., 4 lb. \$1.00, 4½ lb. \$1.25; including handle.

HOTBED MAT

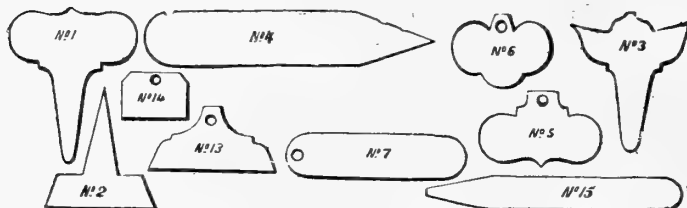


Burlap, for Protecting Cold Frames and Hotbeds.

These are 6x6 ft. square, made of strong burlap bagging, warmly lined with waste wool and cotton, which are quilted in to hold position.

76x76, burlap, \$1.40 each; doz	\$15.00
40x76, burlap, \$1.00 each; doz	10.00
76x76, burlap, one side duck; \$2.00 each; doz	20.00
40x76, burlap, one side duck; \$1.25 each; doz	14.00

ZINC GARDEN LABELS



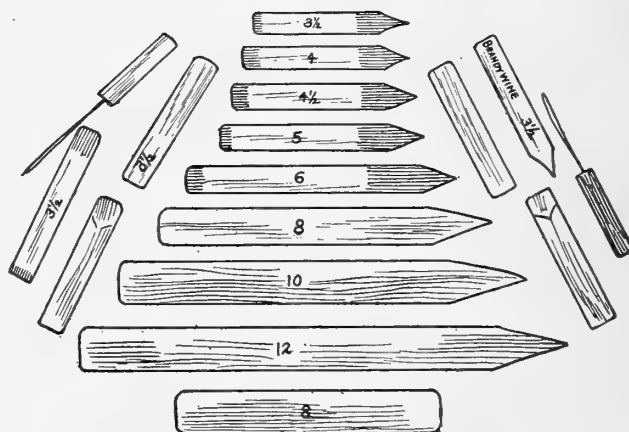
These are unsurpassed, being neat, durable and indelible. The ink marks a jet black, which remains distinct. Use a clean quill or pointed stick.

No.		Doz.	100
1	4¼x3½	\$0.25	\$1.25
2	4x2¾	.20	1.10
3	4x3	.20	1.10
4	5x1	.20	1.10
5	3½x2½	.25	1.30
6	2½x2	.20	1.10
7	2¾x1½	.15	.75
13	2¾x1¼	.15	.75
14	1½x1¼	.15	.65
15	4¼x4¾	.15	.65

CELLULOID PLANT LABELS

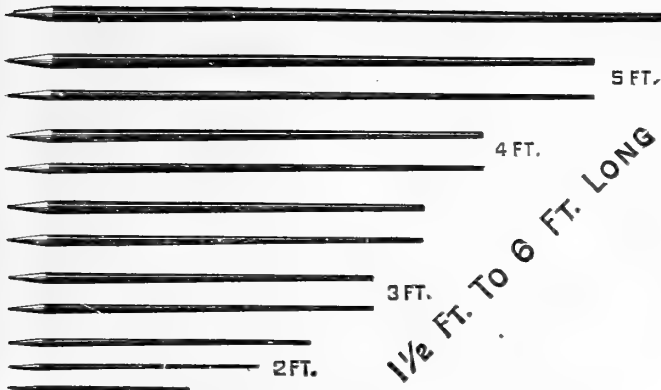
Made from first quality celluloid, nicely finished, wired with copper wire; just the thing for those desiring a neat and practical label for wiring on plants. One box contains 50 assorted labels with bottle of indelible ink. Price, per box, postpaid, \$1.50.

LABELS, Wooden, Pot and Garden



	PLAIN		PAINTED	
	Per 100	1000	Per 100	1000
4 inch.....	\$0.15	\$0.60	\$0.15	\$0.90
4½ ".....	.15	.80	.20	1.00
5 ".....	.15	.90	.20	1.25
6 ".....	.20	1.00	.25	1.35
8 ".....	.40	3.50	.50	4.00
10 ".....	.45	4.00	.55	5.00
12 ".....	.55	4.50	.60	5.50
3½ " Copper-wired.....			.25	2.00

PLANT STAKES



PLANT STAKES, Tapering Green

	Doz.	100		Doz.	100
1 1/2 feet.....	\$0.20	\$1.25	3 1/2 feet.....	\$0.60	\$4.25
2 ".....	.30	1.75	4 ".....	.70	5.25
2 1/2 ".....	.40	2.60	5 ".....	.80	6.00
3 ".....	.50	3.40			

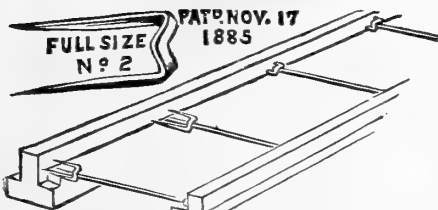
DAHLIA POLES

	Doz.	100		Doz.	100
3 feet.....	\$0.75	\$6.00	5 feet.....	\$1.30	\$10.00
3 1/2 ".....	.90	7.00	6 ".....	1.40	11.00
4 ".....	1.00	8.00			

JAPANESE CANE STAKES

	Doz.	100	1000
5 1/2 to 6 feet.....	\$0.25	\$1.00	\$8.00
6 " 8 ".....	.35	1.50	12.00
10 " 12 ".....	.75	6.00	

GLAZING POINTS



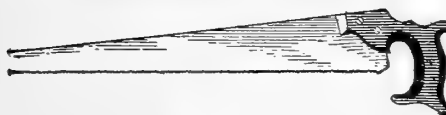
Per 1,000.....	\$0.65	5,000.....	\$3.00
Siebert's Never Rust Glazing Pegs, lb.....	\$0.40		
Model Points, lb.....	.40		

DOUBLE EDGE PRUNING SAW



	Each.		Each.
12 inch.....	\$0.40	18 inch.....	\$0.70
14 ".....	.50	20 ".....	.80
16 ".....	.60	22 ".....	.90

PLAIN, ONE EDGE PRUNING SAW



12 inch. Each, \$0.40	18 inch. Each, \$0.70
14 " " .50	20 " " .80
16 " " .60	22 " " .90

FRENCH SHEAR



The best shear made. Guaranteed to last longer and wear better than any shear on the market.

	Each.		Each.
5 1/2 inch.....	\$1.25	8 1/2 inch.....	\$1.45
6 1/2 ".....	1.35	9 1/2 ".....	1.75

California No. 1, Full Nickel Shear

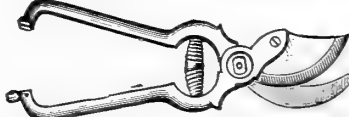


An extra fine shear at a low price.
Each, \$0.75.

Nickel Plated Ladies' Pruning Shear

5 1/2 inches.....	\$0.90	6 1/2 inches.....	\$1.00
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Wiss Solid Steel Pruning Shear



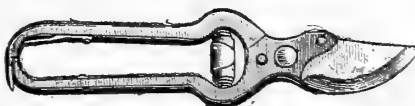
Made to last forever.	
10 1/2—9 inches, each.....	\$2.00
11 1/2—10 " ".....	2.50

ENGLISH LOPPING SHEARS



No. 1, 20-inch handles.....	\$2.00
" 2 24 " ".....	2.25
" 3 28 " ".....	2.50
" 4 32 " ".....	2.75

SHEAR NO. 2



Steel blades, malleable handles, 8 inches.
Each, \$0.50.

INDELIBLE INK

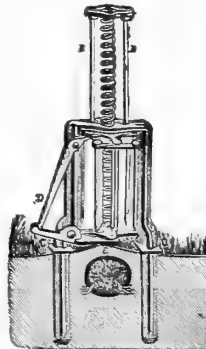
Yates' Imported, per bottle.....\$0.25

INDELIBLE PENCILS, Wolf's

Each \$0.10.....per doz. \$1.00

MOLE TRAPS—Olmstead's Improved Reliable

The invention consists of the frame A, constructed with two cross bars, in which are holes to guide the needle bars B B. At the lower end of the needle bars is attached a plate to which six needles are made fast, three on each side of the plate. To the upper end of the needle bars is attached a platform for the purpose of holding a weight, either a brick or stone, which serves to operate the trap when set off by the mole.



Springs are also furnished to operate the trap. The spring can be readily attached and detached, it simply being hooked to the trap, so that either a weight or spring can be used to operate it.

Upon each side of the frame at C C, projections are made which serve as stops or guides to indicate when the trap is pushed into the ground the right distance to insure the catching of the mole, and also to serve as a support for the trap. This is a very important feature in mole traps, for it obviates all guesswork in setting in.

To the frame is attached the lever D and trigger E, both made to work loosely on pivots.

This trap is constructed entirely of steel and iron.

Price—Each, \$1.50, per doz. \$15.00.

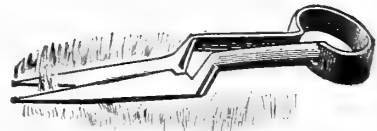
NEW MODEL. This is the only trap that can be set under hotbed frame, as the trap when set is only 11 1/2 inches high.

Price—Each \$1.50, per doz. \$15.00.

PAPER

Wax.....	24x36, ream.....	\$3.00
".....	18x24, ".....	2.00
Tissue.....	24x36, ".....	1.00
Manilla.....	24x36, ".....	2.00
Wrapping.....	40x48, per lb.....	.10

GRASS SHEARS



Full nickel, solid steel.

6-inch blade.....	75c.	7-inch blade.....	\$1.00
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GRASS EDGING OR BORDER SHEARS

For trimming the overhanging grass around the edges of walks, etc.

Price, 10 inch blades, \$2.50, or with wheel, \$2.75.

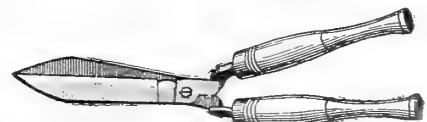
LAWN SHEARS

For cutting grass under shrubs, fences, etc.

Price, with two wheels, 10 inch blades, \$2.75.



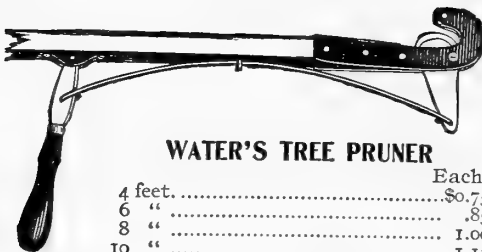
HEDGE SHEAR No. 2



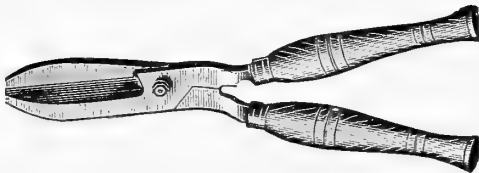
Imported English laid blade, made of the very best steel, oil tempered, and built for heavy and steady work.

	Each.		Each.
8 inch.....	\$1.25	8 inch, notched.....	\$1.50
9 ".....	1.50	9 " ".....	1.75
10 ".....	2.00	10 " ".....	2.25

The notched shears are for cutting heavy branches in the hedge.

**WATER'S TREE PRUNER**

	Each.
4 feet.....	\$0.75
6 ".....	.85
8 ".....	1.00
10 ".....	1.15
12 ".....	1.25
Extra blades.....	.20

HEDGE SHEAR, Stamped Blade

	Each.	8 inch, notched.....	Each.
8 inch.....	\$1.00	9 ".....	\$1.25
9 ".....	1.25	10 ".....	1.50
10 ".....	1.75	12 ".....	2.00
Ladies' Hedge Shear, 5½ inch blade.....	1.00		

CALIFORNIA BOW SHAPED PRUNING SAW

	Each.		Each
12 inch.....	\$0.50	14 inch.....	\$0.65

ENGLISH GRAPE-THINNING SCISSORS

Finest quality, imported. Used for thinning out the grapes in bunches, allowing the remaining ones to develop. 75c.

SCYTHES

Imported English Riveted Back.

	Each.		Each.
32 inch.....	\$1.40	36 inch.....	\$1.60
34 "	1.50	38 "	1.70

Imported Solid Back.

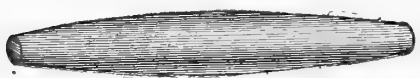
Same prices as riveted back.

SCYTHES**Little Giant Solid Steel Scythes**

26 inch.....	\$1.15	32 inch.....	\$1.35
30 ".....	1.25	34 ".....	1.40

Scythe Snath or Handle

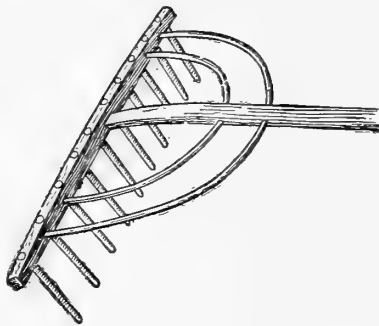
Patent best quality. 90 cents each.

SCYTHE STONES

English Talacre quarry.
25 cents each; \$2.50 per dozen.



Scythe rifles, emery coated.
15 cents each; \$1.50 per dozen.

WOOD HAY RAKES

12 teeth, 30 cents each; \$3.00 a dozen.

Wood Lawn Rakes

24 teeth, 35 cents each; \$3.50 a dozen.

REVERSIBLE STEEL LAWN RAKE

Heavily tinned steel teeth, the arched teeth for leaves and litter, and the opposite side for fine cut grass.

24 teeth, each.....\$0.50

GRAVEL RAKES, Short Teeth

	Each.		Each.
12 teeth.....	\$0.40	16 teeth.....	\$0.60
14 "	0.50	18 " .....	.70

BOW HANDLE RAKE

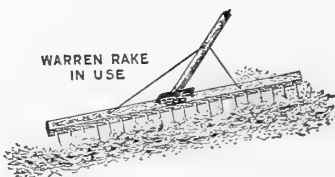
Steel Garden Bow Handle.

11 teeth.....	\$0.70	15 teeth.....	\$0.80
13 teeth.....	.75		

STEEL GARDEN RAKE

10 teeth.....	\$0.50	14 teeth.....	\$0.60
12 teeth.....	.55	16 teeth.....	.65

WARREN RAKE
IN USE

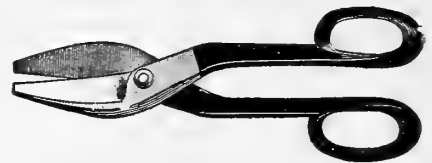


WARREN RAKE
"CLEANING ITSELF"



It is the only rake on the market which will clean itself automatically and absolutely without annoyance to the user.

Price, 75c. each; \$8.00 per doz.

TINNERS' SNIPS

For cutting wires, tin, etc., very useful.
8 in.....\$0.90 11 in.....\$1.00

SOLID STEEL TROWEL

Hand forged, oil tempered, ferrule handle, and a splendid trowel for general use.
6 in.....\$0.35 7 in.....\$0.40

MAYNARD TROWEL

Solid steel trowel, the very best trowel made, socket shank, highly polished.
6 in., each.....\$0.75 7 in.....\$1.00

TRANSPLANTING TROWEL

Solid steel, largely used by market gardeners.

Each.....\$0.25

**SLIM JIM TROWEL**

A perfect trowel for making small, deep holes for transplanting and putting in bulbs.
10 in., each.....\$0.15 13 in., each.....\$0.25

STEEL GARDEN TROWEL

A first-class trowel for general garden work, light, cheap and strong.
Each.....\$0.25 doz.....\$2.75

ASBESTOS TORCH

This torch is composed of pure asbestos, and, when thoroughly soaked in kerosene oil, will burn with a high broad flame from 30 to 45 minutes. Being entirely incombustible, it can be used indefinitely without deterioration.

It will be found exceedingly effective in destroying nests of caterpillars, so destructive to fruit and shade trees.

It can be used for various other purposes, such as

starting brush fires, etc.

Unlike cotton waste or other combustible material, it does not carry sparks after it has ceased blazing; there is, therefore, no danger of its starting a fire after being used.

Price, each.....\$0.35 By mail.....\$0.45

HAZELTINE WEEDER



A very popular style of hand weeder, and one of the best. Its peculiar shape permits a wide range of work. 20c. each, \$2.25 doz. (postage, 5c. each extra).

THREE-CORNERED ONION WEEDER



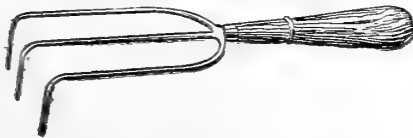
A popular tool for weeding among onions and other rowed crops. 20c. each, \$2.25 doz. (postage, 10c. each extra).

EXCELSIOR FINGER WEEDER



The claw fingers are useful for loosening and pulverizing the soil. 10c. each, \$1.00 doz. (postage, 5c. each extra).

EUREKA HAND WEEDER



Our choice of the finger weeders; the prongs, being of solid forged steel, are thin and long, and get right down to work in loosening soil and breaking crust. Short handle, 25c. each, \$2.75 doz. (postage, 10c. each extra).

NOYES WEEDER



A very handy tool for weeding flower beds, loosening soil, etc. 15c. each; by mail, 20c. each; \$1.50 doz.

MAYNARD'S PATENT FORGED

With Solid Cast Steel Socket



Each is forged from a single piece of cast steel, forming a solid mass $\frac{1}{4}$ inch thick, where others have an open pocket to admit the bend of the handle, thus giving a strength unattainable by any other means. The blades have no weld, no straps and no rivets. D socket handle, each.....\$1.50 Long socket handle, each..... 1.50 Pointed socket D handle, each..... 1.50 " " long handle, each..... 1.50

GARDEN DIBBLE

For transplanting cabbage, celery, tobacco, etc.

Small size\$0.35 Large " 40

SHOVELS



Ames' D strapped handle, each.....\$1.50 " long strapped handle, each..... 1.50 " long handle, pointed, each..... 1.50 " long handle, each..... 1.50 Sickles' pointed, each..... 1.00 " square front, each..... 1.00

SPADES



Ames' D handle, each.....\$1.50 Ames' long handle..... 1.50 Maynard's socket D handle, each..... 1.50 Sickles' D handle, strapped, each..... 1.00

S. & W. BUCKET SPRAY PUMP

Bordeaux Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. Has adjustable foot-piece to fit different size buckets. With 3 feet $\frac{3}{4}$ -inch hose and spray nozzle.

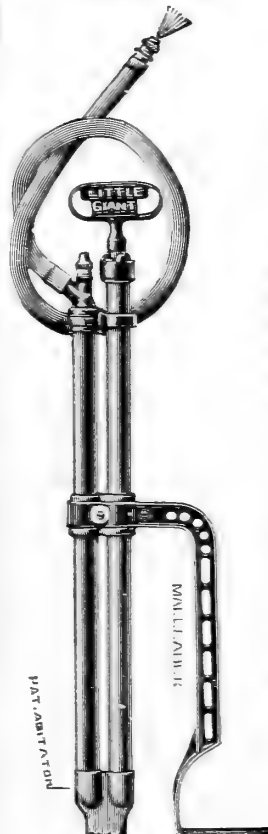
Price.....\$3.75.



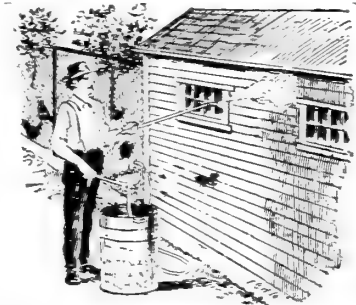
S. & W. BUCKET BRASS SPRAY PUMP

Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream fifty feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an eight-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows.

Price.....\$5.75

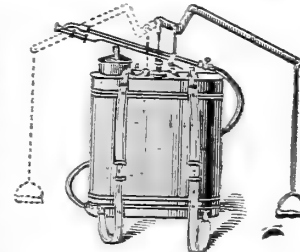


S. & W. WHITEWASH AND PAINTING MACHINE



By using this machine every crevice and corner which cannot be reached with a brush can be thoroughly painted or whitewashed, at the same time saving a great deal of labor and expense. One man can do as much work in one hour as five men could do with brushes in the same length of time. Price, No 6—8-gallon galvanized iron machine, with all attachments, \$22.00. No. 7—16-gallon galvanized iron machine, with all attachments, \$35.00. Extra hose, per foot, 5c. Nozzle 55c.

"KNAPSACK" SPRAY PUMP



S. & W. "Knapsack" Spray Pump is made entirely of brass and copper with ball valve and metal plunger, all parts easily accessible. The reservoir is made of heavy copper, capacity about five gallons. This sprayer is furnished complete as shown in cut with $3\frac{1}{2}$ feet of $\frac{3}{4}$ -inch discharge hose. "Mistry" nozzle and lance for degorger.

Price.....\$12.00

S. & W. FRUITALL SPRAY PUMP

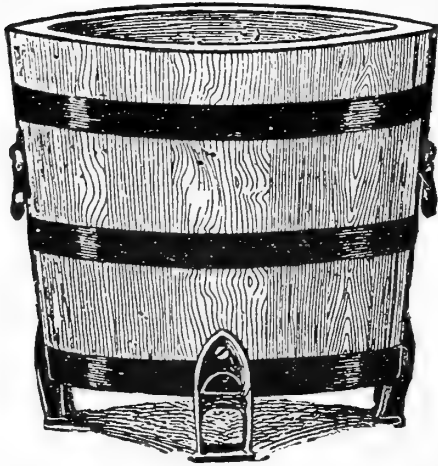


Is made on the same general lines as the famous "Pomona." It is, however, lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer, are of brass. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave.

Outfit C, Single Lead.—Spray Pump with agitator and one lead 15 feet, $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Seneca" Spray Nozzle, barrel and pump mount, \$13.50.

Outfit D, Double Lead.—Spray Pump with agitator and two leads 15 feet each, $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Seneca" Spray Nozzles, barrel and pump mount, \$16.00.

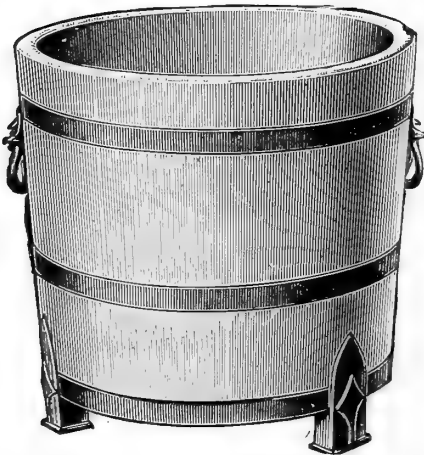
NEW YORK CEDAR TUBS



These tubs are made of the very choicest, seasoned cedar, highly finished with black hoops, handles and legs, and will last twice as long as cypress tubs. They are very strong and durable.

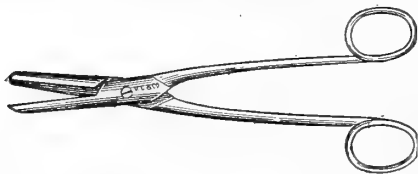
No.	Diameter	Height	Price
1.	12 inches	10 1-2 inches	\$1.10
2.	13 "	13 "	1.40
3.	14 1-2 "	15 "	1.70
3 1-2.	16 1-2 "	15 3-4 "	2.25
4.	19 1-2 "	17 "	2.40
5.	22 1-2 "	18 1-2 "	3.20

CEDAR TREE TUBS



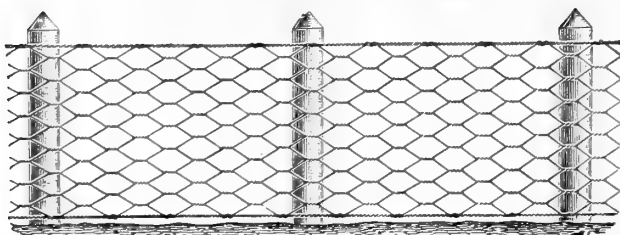
Outside Diameter.	Length of Stave.	
No. 0, 27 inches.	24 inches	\$6.00
No. 1, 25 "	22 "	5.00
No. 2, 23 "	20 "	4.50
No. 3, 21 "	18 "	4.00
No. 4, 18 "	16 "	3.50
No. 5, 16 "	14 "	3.00
No. 6, 14 "	12 "	2.50
No. 7, 13 "	11 "	2.25
No. 8, 12 "	10 "	2.00

ENGLISH FLOWER-GATHERING SCISSORS



Finest quality, imported. Cuts and holds the flower. 75c.

GALVANIZED WIRE NETTING



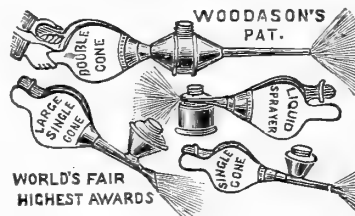
AUTO-SPRAY



Convenient, durable, efficient. Our patented leader of spray apparatus for small uses. Will do better work and do it easier than any other similar article. Useful with Bordeaux and all solutions, also in applying cold water paints or whitewash. Holds four gallons. Illustration shows our new "Auto-Pop" attachment which doubles the efficiency by saving half the solution and labor. Our "Anti-Choke" Nozzle, cleaned at every operation of "Auto-Pop" can never clog. Tank made of galvanized steel or brass. High grade hose. Heavy self-contained pump, all brass. Nipple connections, nozzle, etc., turned from solid brass rod with full threads. Castings for handle, etc., all malleable. No continuous pumping as in the case of the Knapsack Sprayer—no continuous pumping or slopping as in the case of the bucket pump. A few strokes of plunger compresses enough air to cover a quarter acre of potatoes or similar crop. The operator simply holds the nozzle. Also used for spraying disinfectants. A practical machine for potatoes, tobacco, small fruits, vineyards, poultry houses, greenhouses, etc. Extension pipes useful for spraying tall trees. Detailed descriptive circular on request.

"Auto-Spray," No. 1, Brass Tank, with Stop Cock.....	\$6.00
"Auto-Spray," No. 1, Brass Tank, with "Auto-Pop" [recommended].....	7.00
"Auto-Spray," No. 1, Galvanized Tank, with Stop Cock.....	4.50
"Auto-Spray," No. 1, Galvanized Tank, with "Auto-Pop".....	5.50
"Auto-Pop," supplied separately.....	1.50

BELLOWS, WOODASON'S



Powder, small size.....	\$1.25
" large ".....	2.25
Liquid, small ".....	1.50
" large ".....	2.25

Double Cone Powder Bellows. For dusting plants with dry powders for insects and fungus. Price, \$3.25 each.

SYRINGES, Solid Brass

No. A. Barrel, 12 inches long, 1 spray and 1 stream rose. Price.....	\$2.50
No. 2. Barrel, 13 1/2 inches long, 1 coarse and 1 fine spray, and 1 stream rose. Price.....	4.50

SYRINGES

No. 11, similar to No. 10

Open roses, two-spray roses and jet, side attachments, each.....\$4.75



Cone valves, two-spray roses and jet, side attachments, each.....\$5.50



G Barrel 16 in. x 1 1/2 in. diameter.

Open rose, one-spray rose and jet, one side attachment, angle joint. This joint can be detached and the syringe used in the ordinary way, each.....\$4.50

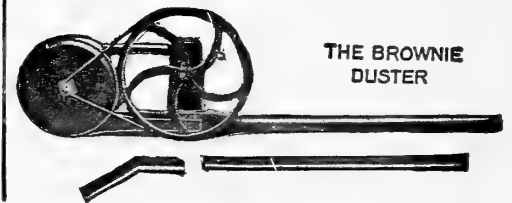


No. O

Fine spray, rose only, barrel 14 inches long, 1 1/2 inches in diameter, each.....\$2.75

No. O. Same as O O, but with barrel 12 1/2 inches long, 1 1/4 inches in diameter, each 2.25

THE BROWNIE DUSTER



THE BROWNIE DUSTER

For garden, vineyard and small trees. Particularly useful for indoor as well as outdoor work, wherever a dry powder is required. Price, \$3.00 each.

DRY POWDER GUNS

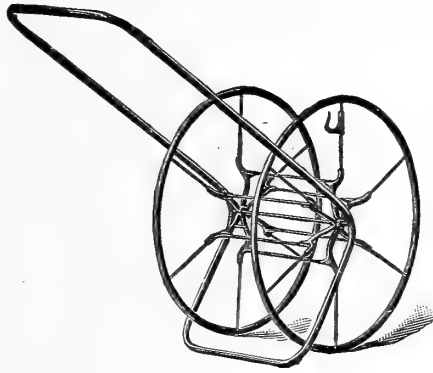


Distributes Paris green, London purple, hellebore, sulphur, lime, dry Bordeaux mixture, dry Bordeaux mixture and Paris green compound, Spanish pink, Pyrethrum Powder, etc.; dispenses with bother and labor of using water. Price, \$8.50.

In rolls 150 feet long. We do not sell less than rolls.

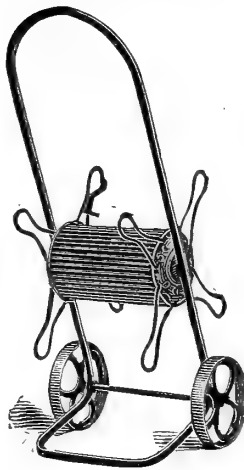
Width	2 inch Mesh No. 19 Wire	1 1/2 inch Mesh No. 19 Wire	1 1/4 inch Mesh No. 19 Wire
12 inches wide.....	\$1.00	\$1.25	\$2.00
18 " ".....	1.50	2.00	3.00
24 " ".....	2.00	2.60	4.00
30 " ".....	2.50	3.30	5.00
36 " ".....	3.00	4.00	6.00
40 " ".....	3.50	4.50	7.00
48 " ".....	4.00	5.50	8.00
54 " ".....	5.00	6.00	9.00
60 " ".....	5.50	6.75	10.00
72 " ".....	6.00	8.00	11.00

HOSE CART No. 1



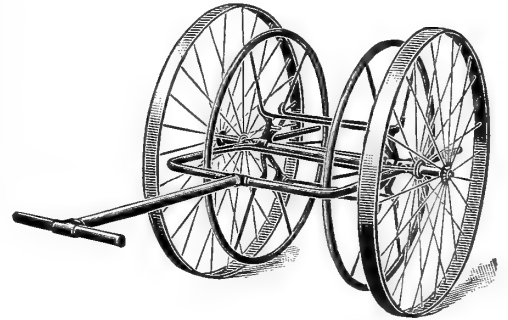
For lawn or garden. Very simple in construction, easily manipulated and almost unbreakable. Price \$3.00.

K. C. HOSE REEL



All metal, tubular frame, corrugated drum to allow circulation under Hose. Price \$2.00.

S. & W. CO.'S HOSE CART



For a small quantity of large hose or a large quantity of small hose.

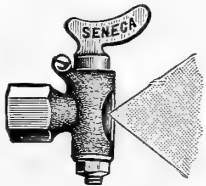
Tubular steel reel, frame and tongue, malleable castings, and steel tricycle wheels with 2 inch tires. Capacity 400 feet. Price \$10.00.

FAIRY NOZZLE



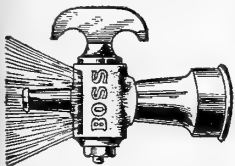
Brass..... 50c.

Seneca Spray Nozzle



Gives a fan-shaped spray, covering a large area. Price \$1.25.

BOSS NOZZLE



The best nozzle for use against red spider. Price 50c.

GARDEN HOSE



The Rubber Hose we offer is all made of the best rubber and will outlast cheap hose ten times over. We guarantee all our Hose and will replace same if returned within reasonable time, in season, and found to have any defects the fault of the manufacturer.

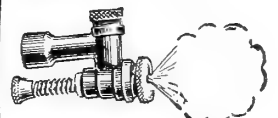
Knockany. 5 ply, 16c. per ft. **Greenhouse.** 4 ply, 14c. per ft. **Wearlong.** 3 ply, 10c. per ft. Price includes couplings in 25 or 50-foot lengths. Prices on cotton-covered hose on application.

Graduating Spray Nozzle



Will throw a fine or coarse spray, or straight stream. Price 40c.

Mistry Spray Nozzle



Produces a perfect mist or fog at a very low pressure. Price 65c.

BOSTON NOZZLE



Copper face. Price 50c.

LITTLE WONDER HOSE MENDER



3c. each; 30c. per dozen.

JONES' SCREW END HOSE MENDER



5c. each, 50c. per dozen.

COOPER'S BRASS HOSE MENDERS



The best mender made. Will last forever.

1/2 inch,	7c. each.....	75c. per dozen.
3/4 " "	7c. "	75c. " "
1 " "	8c. "	85c. " "

CALDWELL'S HOSE MENDING OUTFIT



Practical, simple, perfect. Box of 6 tubes, 20 bands and pliers, 75c.; or by mail, \$1.00. (Give size of hose.)

Extra tubes, 3/4 inch, 3c. each. Extra pliers, 30c. each. Extra bands, 20c. a dozen.

"PLANET JR." FARM AND GARDEN TOOLS

Space will not permit illustrating and describing all of the "Planet Jr." tools; but we will gladly send fully illustrated catalogue free for the asking to any address. Remember, "Planet Jr." machines are the recognized standards throughout the world, and are guaranteed by the manufacturers.



No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

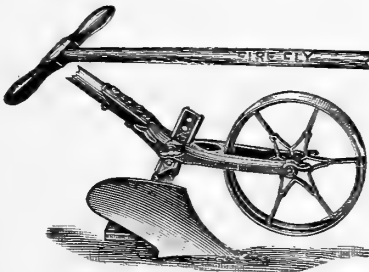
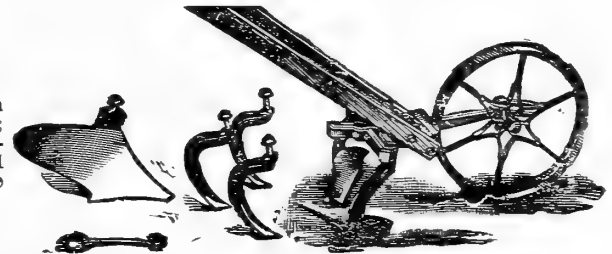
This wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at different distances apart; malleable frame, with ample room for tool adjustment, and can be set at different heights. The arch is of stiff steel, unusually high: the quick change frame permits the tools to be changed without removing the nuts.

PRICE, \$7.35

No. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

This latest and best single-wheel hoe has a set of tools such as have been found to work in the very best manner. It has 11-inch wheel with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

PRICE, \$5.25



No. 11 "PLANET JR." DOUBLE WHEEL HOE

Price with attachments as in cut.

Packed weight, 37 lbs.

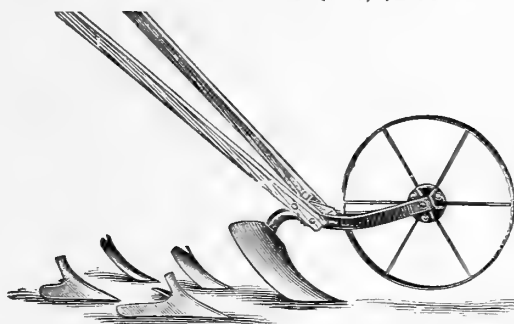
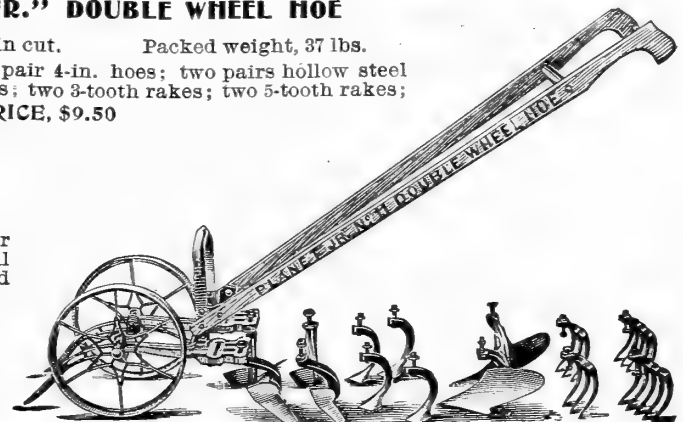
One pair 6-in. hoes; one pair 4-in. hoes; two pairs hollow steel cultivator teeth; one pair plows; two 3-tooth rakes; two 5-tooth rakes; and two leaf lifters.

PRICE, \$9.50

THE "FIRE-FLY" GARDEN PLOW

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. Chicken raisers will find it very useful in plowing up the scratching yards. The moldboard is of tempered and polished steel, the depth is quickly changed.

PRICE, \$2.50



FARMERS' No. 19 SINGLE WHEEL HOE CULTIVATOR AND PLOW

This new and attractive implement is especially designed for the Farmers' Garden Work, though it offers to everyone, with either field or garden, a cheap and effective tool for all hand wheel hoe operations.

The Wheel is high and is made with stiff steel rim and spokes, and a combination steel and malleable iron hub. The wheel arms are steel and the frame of the tool is attached adjustably to the wheel arms, so that the height of the handles may be readily changed to suit man or boy.

The Standard is slotted to make regulation of depth easy, and, by means of an adjustable malleable filling piece, the same standard is made to carry perfectly all the steels that come with the machine.

PRICE, \$4.00

"PLANET JR." No. 13 DOUBLE WHEEL HOE.....\$5.00

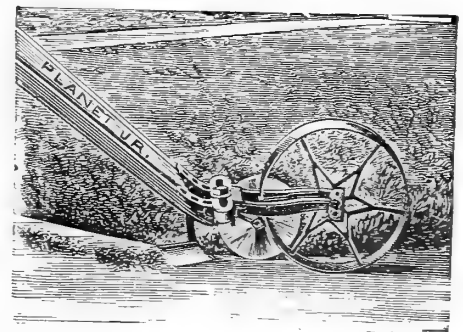
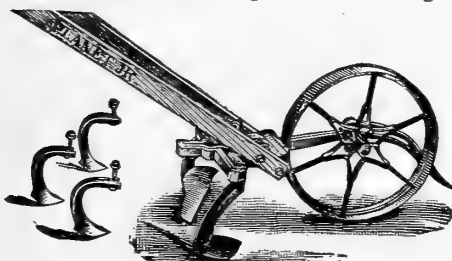
"PLANET JR." No. 16 SINGLE WHEEL HOE, consists of two 6-inch hoes; three cultivator teeth; one 7-inch and one 4-inch rake; a large garden plow and leaf guard. Packed weight, 26 lbs. 6.00

"PLANET JR." No. 18 SINGLE WHEEL HOE, one pair 6-in. hoes only 3.75

THE "PLANET JR." GRASS EDGER

It will do either straight or curved edging at a speed of a mile an hour. It should be the constant companion of the lawn mower. Strawberry growers will find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners.

PRICE, \$6.00



No. 17 1/2 SINGLE WHEEL HOE AND CULTIVATOR

This machine is similar to No. 17, except it has no plow, but it has a leaf lifter. Thousands of them are sold annually for cultivating sugar beets and onions.

PRICE, \$4.75

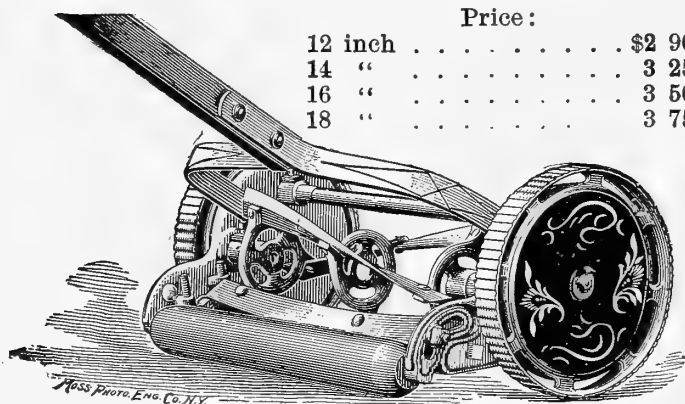
LAWN MOWERS

BANNER MOWER

A first-class low-priced Mower for general use.

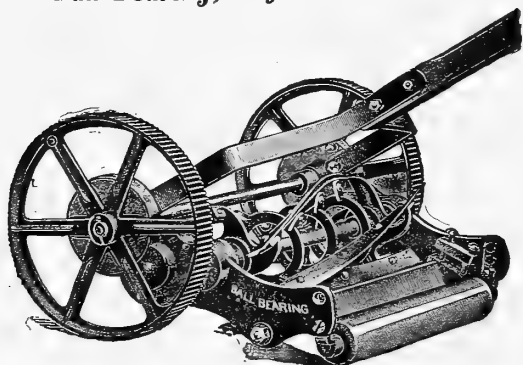
Price:

12 inch	\$2 90
14 "	3 25
16 "	3 50
18 "	3 75



VICTORY

Ball-Bearing; High-Grade Mower



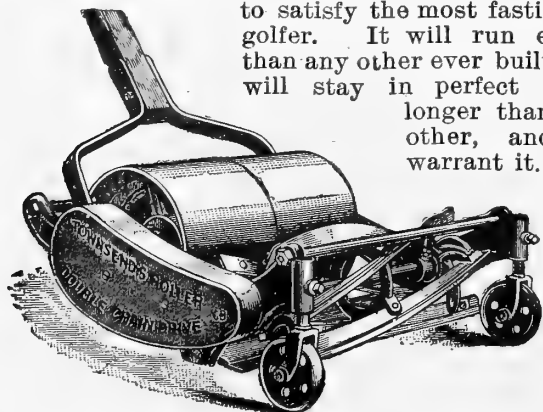
Ball-bearing 10-inch wheels, triple gear, four-bladed reel. A 24-inch mower can be operated as easily as a 16-inch of the old style, and lawn mown in one-quarter of the time.

14 inch	\$9 00	20 "	\$12 00
16 "	10 00	22 "	13 00
18 "	11 00	24 "	13 50

CHAIN ROLLER GOLF MOWER

Specialty Designed for Borders and Golf Greens

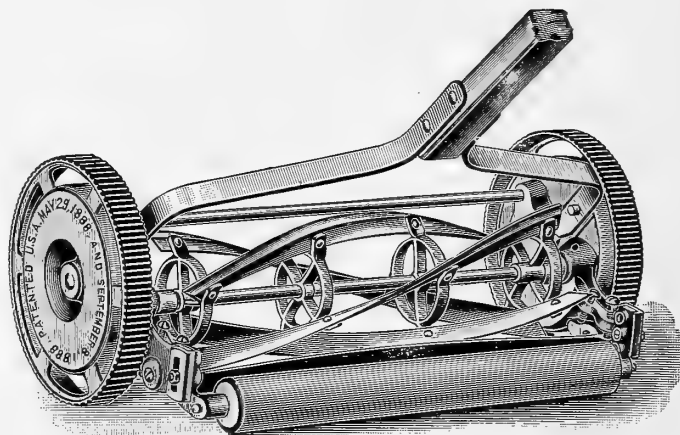
This mower will cut close enough and clean enough to satisfy the most fastidious golfer. It will run easier than any other ever built. It will stay in perfect order longer than any other, and we warrant it.



Sizes	12 in.	14 in.	16 in.	18 in.
Net prices	\$10 00	\$11 00	\$12 00	\$13 00

H. W. UNIVERSAL

With Ball Bearings

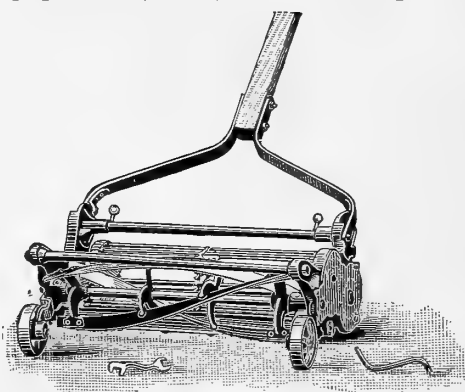


A first-class High Wheel Lawn Mower at a popular price. Four Revolving Knives giving continuous cut. Nine-inch Driving Wheels. Drop forged steel self-locking Pawls. Flexible lower Knife. Self-sharpening. Made of best materials and fully warranted.

Price:

14 inch	\$5 50	18 inch	\$6 50
16 "	6 00	20 "	7 00

EASY BORDER AND TERRACE MOWER



10 inch	\$6 00	16 inch	\$9 00
12 "	7 00	18 "	10 00
14 "	8 00	20 "	11 00

COLDWELL'S HIGH WHEEL IMPERIAL



14 inch	\$8 00	18 inch	\$10 00
16 "	9 00	20 "	11 00

TOWNSEND'S HORSE LAWN MOWER

30-in.	\$75 00	35-in.	\$80 00	38-in.	\$85 00
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FERTILIZERS

SHAY'S FERTILIZER

You have no doubt bought from time to time Clay's Fertilizer. These goods, as you are aware, are made in Europe and imported here, and cost you a very high price. Did you ever ask yourself the question "Why cannot these goods be made here?" A Superintendent of one of the finest estates in America asked us this question and we told him they could be made here. So at his suggestion we took these fertilizers and had them analyzed by one of the most expert chemists we could find, and we made up a fertilizer which we wish to bring to your notice; they have been tried by some of the best gardeners in the country, and are being used today with excellent results. When a gardener exhibits his products and takes first prizes we generally want to know how he does it, and when the same man takes 15 or 16 first prizes in one exhibition against all comers in a place like New York you then ask what fertilizer does he use? He uses Shay's Fertilizer for 'mums and general flowering plants. These fertilizers are guaranteed to contain exactly the same plant food as the fertilizer you have been paying such high prices for. Price, per 5 lbs., 50c.; 25 lbs., \$2.00; 100 lbs., \$6.00.

Clay's Celebrated Fertilizer

On account of the high reputation which this fertilizer has in England, and as we have had many inquiries for it by gardeners here, we have imported some from Messrs. Clay & Son, which we offer at the following prices. It is undoubtedly one of the best manures for all horticultural purposes, either in greenhouse or garden, and we believe its high reputation is well deserved. It is productive and lasting, and notwithstanding its apparently high price, it is quite economical. Price, in bags, 1 cwt. (112 lbs.), \$7.00; ½ cwt. (56 lbs.), \$4.00; ¼ cwt. (28 lbs.), \$2.25; ⅛ cwt. (14 lbs.), \$1.25.

Raw Bone Meal—Best Grade

The best all-round fertilizer for garden, lawn and farm. Our Raw Bone Meal is made from hard bones, is evenly ground, and very white and pretty in appearance. For such as prefer a raw to a steamed bone we recommend our Raw Bone Meal—nothing finer can be made.

Quick-Acting Bone Flour

This bone is ground as fine as it is possible to have it, and where a high grade bone is wanted for immediate results we recommend its use. Price, per 5 lbs., 35c.; 10 lbs., 60c.; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50, per ton, \$50.00.

General Use Bone

This bone is ground to about pin-head size, with a fair percentage of flour bone, and where a high grade bone for immediate and continuous use is wanted, would advise using this grade. Price, per 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.40; 100 lbs., \$2.50; per ton, \$40.00.

Top Dressing Bone

For top dressing lawns, and use in gardens. Price, in barrels only, 200 lbs., \$4.00; ton, \$34.00; per 5 tons, \$150.00.

Vine and Tree Bone

For use on Grape or any vines or trees, about the size of a pea. Price, per 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; per ton, \$45.00.

Pure Pulverized Sheep Manure

A pure, natural and nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich Liquid Manure.

Quantity required. For garden and field crops, 1 to 2 tons per acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use 1 ton per acre, applied in Fall or early Spring.

Price, 100-lb. bag, \$2.00; per ton of 2,000 lbs., \$30.00. In packages of 2 lbs., 15c.; 5 lbs., 25c.; 10 lbs., 40c.

Shay's General Fertilizers

These fertilizers are now in use on most of the prominent private estates, leading farms, etc. We can recommend them to be equal to any of the fertilizers now on the market.

	Per 100 lbs.	Per ton.
Shay's Grass Fertilizer.....	\$3.00	\$43.00
Shay's Potato Fertilizer	2.50	40.00
Shay's Corn Fertilizer	2.25	36.00
Shay's Cauliflower & Cabbage Fertilizer...	3.00	42.00

Special delivered prices given on quantities of 5 tons or over, these prices are f. o. b., New York.

Mapes' Celebrated Fertilizers

	Per 100 lbs.	Per bag 200 lbs.	Per 2,000 lbs.
Grass and grain spring top dressing..	\$2.75	\$5.00	\$44.00
Complete manure, for general use....	2.50	4.50	40.00
Complete manure, for heavy soils.....	2.75	5.00	44.00
Complete manure, for average soils..	2.25	4.50	40.00

Bowker's Ammoniated Food for Flowers

Made especially for plants grown in the conservatory, house or garden; clean, free from offensive odor. Full directions with each package. Small size, 15c.; large size, 25c.; by mail, 20c. and 30c.

S. & W. Co.'s Rose Brand Plant Food

For house plants; the best and most effective odorless plant food offered in the market.

Price, small pkt., 15c., by mail, 20c., large pkt., 25c., by mail, 30c.

Ashes

Canada Hard Wood

Drive away insects and improve the texture of the soil; indispensable for all crops requiring potash; very beneficial for garden and field crops; of high value for grass lands and lawns.

Quantity required. Apply 1 to 2 tons per acre, as one heavy application will help much more than the same quantity would applied in fractions.

Price, per bbl. of about 200 lbs., \$3.00; per ton of 2,000 lbs., in bbls., \$22.00. Special prices in bulk.

Nitrate of Soda

Valuable solely for the nitrogen it contains. It is chiefly a stimulant, used in addition to other fertilizers. It is quick in action and hastens crop maturity.

Quantity required. Being extremely soluble, it is usually applied after the plants are above ground, 100 to 500 lbs. per acre.

Price, per 5-lb. package, 40c.; 10-lb. package, 70c.; 25-lb. bag, \$1.50; 50-lb. bag, \$2.50; 100-lb. bag, \$4.50.

FERTILIZERS

Thomson's Vine, Plant and Vegetable Manure

Famous for over a quarter of a century.

The result of many years' practical experience. So compounded as to combine stimulating with lasting effects.

This manure is unrivaled for vines, tomatoes, fruit trees, all foliage and flowering plants, vegetable and all outdoor plants of every description.

In greater demand every year in Great Britain, America and the continent. None is genuine without our name on bags, etc. Directions for use are placed in all bags and tins.

Price per 28 lbs. \$1.75, per 56 lbs. \$3.50, per 112 lbs. \$6.75.

Thomson's Special Chrysanthemum and Top Dressing Manure

An excellent stimulant for top-dressing Chrysanthemums and all flowering plants.

This manure is commanding larger sales every year, and is used with best results by all the leading growers.

Price 7-lb. bags \$1.50 ea., 13-lb. bags \$2.50 ea., 28-lb. bags \$4.00 ea., 56-lb. bags \$7.00 ea.

Thomson's Styptic

(Another Specialty)

For preventing the bleeding of vines and for use in budding and grafting. Invaluable to all gardeners. Has a reputation of nearly 50 years' standing.

Price \$1.00 per bottle.

Genuine Peruvian Guano

Peruvian Guano contains more than twice as much plant food as most of the so-called special fertilizers sold at \$30.00 to \$40.00 per ton. There is no other fertilizer, either manufactured or natural, which contains as much plant food as this, or in so available forms.

Per 5 lbs. 35c., per 10 lbs. 50c., per 25 lbs. \$1.15, per 50 lbs. \$1.75, per 100 lbs. \$3.00, per 200 lbs. \$5.50, per ton (2,000 lbs.) \$40.00.

Emerald Lawn Dressing

A clean, portable and convenient lawn dressing, which we have found to be never failing in inducing a rapid and rich green growth. It should be sown broadcast in the Spring or Fall, though it can be put on during the summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. It is in every way more desirable than manure, which is so often full of weed seeds. The use of "Emerald Lawn Dressing" entirely does away with the old practice of top-dressing lawns with stable manure, which was so objectionable on account of unsightliness and disagreeable odors.

Quantity required. A 10-lb package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 lbs. per acre, or a smaller quantity for renovating an old one. Price, 4-lb package 15c., 50-lb. bag \$1.50, 100-lb bag \$2.50, per ton of 2,000 lbs. \$40.00

"Bonora" "Nature's Plant Food"

The first essential to all plant life is the use of a good and complete fertilizer, and this is fully supplied by "Bonora," the recognized fertilizer of modern times. The actual results from the use of "Bonora" have been demonstrated fully, and for flowering plants of all kinds, such as roses, violets, geraniums, chrysanthemums, hothouse plants of every description, etc., it is invaluable, greatly enhancing the beauty of same, entering the life of the plant, maturing the crop two to three weeks earlier, and improving it in every detail. The same applies to vegetables, lawns, shrubbery, grape vines, and in fact everything pertaining to plant life. It will greatly enrich the soil wherever applied, giving the plant an active, pushing growth. The use of "Bonora" is a luxury to every prominent grower, and the instructions are so simple, that the most inexperienced grower can follow them out. "Bonora" has been used with eminent success on the capitol grounds of Washington, D. C., and in all the principal departments of that city.

"Bonora" put up in dry form all size packages as follows: 5 lbs., making 140 gallons, \$2.50; 1/2-lb. package 25c., 2-lb. package 50c.

Circular and further information on application.

"Scalecide"

The latest and best spray for San Jose scale, cottony maple scale and Pear Psylla. It is not poisonous, being simply a mechanical preparation of petroleum oil that instantly mixes with cold water and is immediately ready to apply; 1 gallon of "Scalecide" to 20 gallons of water sprayed on your trees and bushes will kill every scale that it reaches without injury to tree or fruit bud if applied in late Fall, Winter or early Spring while the foliage is off. Safe and easy to apply. Price, 1-gallon can \$1.00, 5-gallon can \$3.25, 10-gallon can \$6.00, 50-gallon barrel \$25.00.



REMEDIES FOR INSECTS AND FUNGUS

FIR TREE OIL

The best insecticide in the market for greenhouse and house plants; it frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy bug, scale, red spider, aphids (black and green), thrips, blight, worms and slugs, and is also a valuable remedy for animal parasites and insects. Price, $\frac{1}{2}$ -pt. tin 40c., pt. 75c., qt. \$1.25, $\frac{1}{2}$ gal. \$2.25, gal. \$4.00. Directions for use on each can.

FIR TREE OIL SOAP

A formula of the above Fir Tree Oil, prepared in soap form and preferred by some. It will do all claimed for the fluid preparation. Price, $\frac{1}{2}$ -lb. tins, 25c., 2 lbs. 75c., 5 lbs. \$1.70, 10 lbs. \$3.25.

Dry Bordeaux Mixture. Ready for use by simply adding water. 1-lb. box 20c., makes 5 gallons spray; 5-lb. box 75c., 50-lb. keg \$6.00, 100-lb. keg \$10.00.

Rose Sulpho-Tobacco Soap. For plants, trees, cattle, poultry, etc. Packages 10c., $\frac{1}{2}$ -lb. packages 25c.

Tobacco Dust. 1 lb. 10c., 5 lbs. 25c., 100 lbs. \$3.50,

Whale Oil Soap. 1 lb. 15c., 2 lbs. 25c., 5 lbs. 50c.

Persian Insect Powder. For roaches, ants, fleas, etc. $\frac{1}{4}$ lb. 10c., 1 lb. 35c., 5 lbs. \$1.60.

Flowers of Sulphur. For mildew. 1 lb. 10c., 5 lbs. 40c., 10 lbs. 60c., 100 lbs. \$5.00.

Paris Green. 1 lb. 25c., 5 lbs. \$1.00, 100 lbs. \$10.00.

London Purple. 1 lb. 20c., 5 lbs. 90c.

Slug Shot. 5 lbs. 30c., 10 lbs. 50c., 100 lbs. \$4.00.

Grape Dust. For mold, mildew or rust mites, either in greenhouse or open air. 5 lbs. 30c.

Rose Leaf Extract of Tobacco. 1 pt. 30c., 1 qt. 50c., 1 gal. \$1.50, 5 gals. \$5.00.

"Cattle Comfort." Protects horses, cattle, dogs, etc. from flies, gnats, mosquitoes, horse-flies and other insects; is healing to sores, destroys head-lice on fowls, etc. Price, 1 qt. 45c.

Caterpillar Lime. A German tar paste for smearing on trees to prevent insects, caterpillars, etc., from crawling up trees. Price, 5-lb. can \$1.00, 25 lbs. \$4.50.

Rosebrand Tobacco Soap quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless Insecticide for Amateur and Professional Growers this is unexcelled. 3-oz. cake, sufficient for $1\frac{1}{2}$ gallons prepared solution, 10c.; mailed, postpaid, 13c. 8-oz. cake, sufficient for four gallons prepared solution, 20c.; mailed, postpaid, 28c.

BUG DEATH

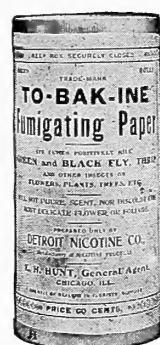


Pat. March 16 and Nov. 9, 1897.
Pat. in Canada Nov. 2, 1897

This is a fungicide, insecticide and plant food combined, which has been used for three years with first-class results. It is claimed that the increase in the crops resulting from its use will pay for the trouble and expense several times over. 1-lb. package 15c., 3 lbs. 35c., 5 lbs. 50c., 12 $\frac{1}{2}$ lbs. \$1.00.

Perfection Shaker, for applying above, 65c. each.

TO-BAK-INE PRODUCTS



Will positively kill green and black fly, thrips, mealy bug, red spider and other insects on flowers, plants, trees, etc.

To-bak-ine Fumigating Paper. For quick and effective fumigation. Per box, 60c.; by mail, 70c.

To-bak-ine Liquid. For spraying and vaporizing. $\frac{1}{4}$ pt. 60c., $\frac{1}{2}$ pt. \$1.10, 1 pt. \$2.00, 1 gallon \$15.00.

To-bak-ine Fumigating Powder. For slow fumigation. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00.

TOBACCO STEMS

Indispensable for fumigating greenhouses and conservatories, for the destruction of green and black aphids and other insects. Price per bale, 100 lbs. \$1.50.

Nicotene. For killing all kinds of insects on plants in greenhouses and frames.

The most easy, safe and effective method of fumigating greenhouses and frame ever introduced. Price, 4-oz. can 70c., $\frac{1}{2}$ -pt. can \$1.25, 1-pt. can \$2.50. Fumigators for using above, complete, 50c. each.

Nikoteen. Per pt. \$1.50.

Hellebore. For currant worms. 1 lb. 20c., 5 lbs. 90c.

Lemon Oil. Destroys mealy bug, scale, thrips, red spider, black and green fly, caterpillar, etc. $\frac{1}{2}$ pt. 25c., 1 pt. 40c., qt. 75c., $\frac{1}{2}$ gal. \$1.25, gal. \$2.00.

Perm Kerosene Soap. One of the best remedies against all kinds of insects, especially scale; a superior winter wash against San Jose scale. Per can 25c.

Weed Destroyer. Quart can sufficient to make 6 gallons of liquid, 50c.; gallon can, sufficient to make 25 gallons of liquid, \$1.50; 5-gallon keg, sufficient to make 125 gallons of liquid, \$5.00.

Worm Eradicator. The worms will immediately rise to the surface of the ground or flower bed, or will fall off the trees, fruits or flowers, and in a few minutes will die. It will be found exceedingly effective and quite harmless to fruit, flowers, grass, etc. Full directions for use on each package. 25c. bottle makes 5 gallons liquid, 50c. bottle makes 10 gallons liquid, \$1.00 bottle makes 25 gallons liquid.

"Nico-Fume" Tobacco-Paper Insecticide.

For fumigating greenhouses. "Nico-Fume" is positively the strongest tobacco-paper on the market; does not injure blooms; and furnishes the easiest method of fumigation ever devised. "Nico-Fume" is packed in special friction-top tins and is sold as follows: 24 sheets 75c.; 144 sheets \$3.50; 288 sheets \$6.50.

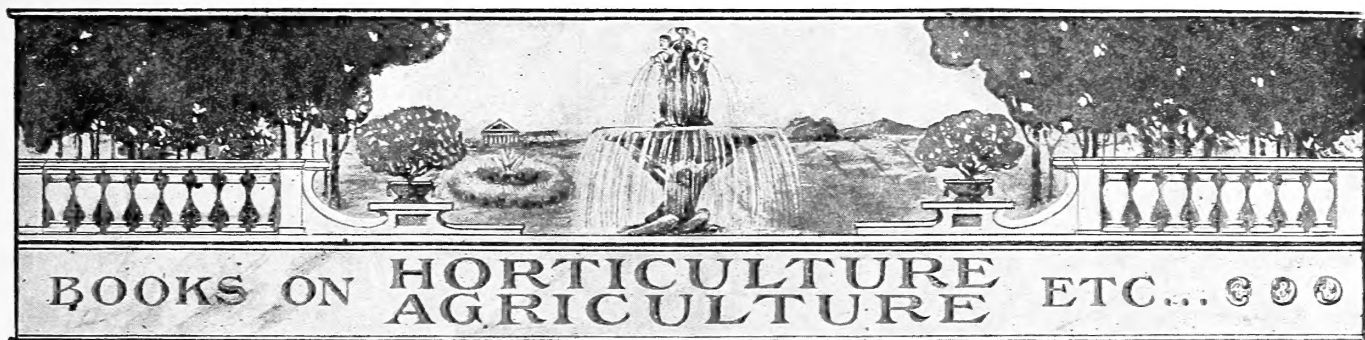
Nikoteen Aphid Punk. By mail 75c. per box of 12 rolls.



INDEX

Vegetable Seeds		PAGE			PAGE			PAGE			
Artichoke Roots	.....	36	Agrostemma	.....	47	Lupinus	.....	59	Oxalis	.....	84
Asparagus	.....	6	Alonsoa	.....	47	Lychnis	.....	59	Peonies	.....	89, 90
Beans	.....	6, 7, 8, 37	Alyssum	.....	48	Marigold	.....	60	Phloxes	.....	93
Barley	.....	37	Amaranthus	.....	47	Mathiola Bicornis	.....	60	Roses	.....	86, 87, 88
Beet	.....	1, 4, 9	Ampelopsis Veitchii	.....	47	Maurandya	.....	60	Shrubs, Flowering	.....	94, 95, 96
Brussels Sprouts	.....	9	Anagallis	.....	47	Mignonette	.....	60	Tigridias	.....	84
Buckwheat	.....	36	Anemone	.....	48	Mimosa Pudica	.....	61	Trees Ornamental	106, 107	
Cabbage	.....	5, 10	Antirrhinum	.....	48	Mimulus	.....	61	Tuberose	.....	84
Carrot	.....	12	Aquilegia	.....	48	Momordica	.....	61	Vines and Creepers	.....	97
Cauliflower	.....	11	Arctotis Grandis	.....	48	Moonflower	.....	61	Water Lilies	.....	73, 74
Celery	.....	14, 15	Aristolochia Siphon	.....	48	Morning Glory	.....	61			
Celeriac	.....	15	Asparagus, Ornamental	.....	48	Musa Ensete	.....	61			
Chervil	.....	11	Asperula	.....	48	Myosotis	.....	62			
Chicory	.....	11	Asters	.....	43, 44, 49	Nasturtium	.....	61, 62			
Corn, Field	.....	15, 35, 37	Balloon Vine	.....	50	Nemophila	.....	62			
Corn, Sweet	.....	13	Balsam	.....	50	Nicotiana	.....	62			
Corn, Salad	.....	13	Bartonia	.....	50	Nigella	.....	62			
Cress	.....	11	Begonia	.....	50	Oxalis	.....	62			
Cucumber	.....	1, 16	Bellis Perennis	.....	50	Pansy	.....	63			
Dandelion	.....	17	Brachycome	.....	50	Passion Flower	.....	63			
Egg Plant	.....	17	Browallia	.....	50	Petunia	.....	45, 64			
Endive	.....	17	Calceolaria	.....	51	Phlox	.....	64			
Garlic	.....	17	Centranthus	.....	53	Pinks	.....	55, 56			
Herbs	.....	34	Calliopsis	.....	51	Poppy	.....	65			
Horse Radish	.....	17	Campanula	.....	51	Portulaca	.....	65			
Kale	.....	17	Canary Bird Vine	.....	52	Primula	.....	65			
Kohl-Rabi	.....	17	Candytuft	.....	52	Pyrethrum	.....	65			
Leek	.....	20	Canna	.....	52	Rhodanthe	.....	65			
Lettuce	.....	2, 3, 18	Canterbury Bells	.....	51	Salvia	.....	66			
Martynia	.....	20	Carnation	.....	52	Scabiosa	.....	45, 66			
Melon, Musk	.....	3, 19	Castor Oil Plant	.....	52	Schizanthus	.....	66			
Melon, Water	.....	20	Celosia	.....	54	Smilax	.....	65			
Millet	.....	36	Centaurea	.....	53	Stevia	.....	67			
Mushroom Spawn	.....	21	Cigar Plant	.....	54	Stokesia	.....	66			
Mustard	.....	21	Cineraria	.....	53	Stocks	.....	67			
Oats	.....	36-38	Clarkia	.....	53	Sunflower	.....	70			
Okra	.....	24	Clematis	.....	53	Sweet Peas	.....	68, 69			
Onions	.....	22, 23	Cobaea Scandens	.....	53	Sweet William	.....	70			
Onion Sets	.....	21	Cockscomb	.....	54	Thunbergia	.....	70			
Parsley	.....	4, 24	Coleus	.....	54	Torenia	.....	70			
Parsnip	.....	24	Convolvulus	.....	55	Tropaeolum	.....	62			
Peas for Fodder	.....	36	Cosmos	.....	46, 54	Verbena	.....	71			
Peas	.....	4, 5, 25, 26	Cowslip	.....	54	Violets	.....	71			
Pepper	.....	24	Cuphea	.....	54	Vinca	.....	71			
Potatoes	.....	2, 27	Cyclamen	.....	55	Wallflower	.....	71			
Pumpkin	.....	23	Cypress Vine	.....	55	Wistaria	.....	71			
Rape	.....	36	Dahlia Seed	.....	55	Zinnia	.....	71			
Radish	.....	1, 28	Delphinium	.....	56	S. & W. Hardy Perennial Flower Seeds	.....	72			
Rhubarb	.....	30	Dianthus	.....	55						
Ruta Baga	.....	33	Dracena	.....	56						
Rye	.....	36	Echeveria	.....	56						
Salsify	.....	29	Echinocystis	.....	56						
Scorzonera	.....	29	Eschscholtzia	.....	56						
Sea Kale	.....	29	Ferns	.....	56						
Sorrel	.....	29	Forget-Me-Not	.....	56						
Spinach	.....	4, 29	Four O'Clocks	.....	56						
Sprouts	.....	29	Foxglove	.....	56						
Squash	.....	30	Fuchsia	.....	56						
Sunflower	.....	36	Gaillardia	.....	56, 57						
Swiss Chard	.....	29	Geranium	.....	57						
Tobacco	.....	34	Globe Amaranth	.....	57						
Tomato	.....	31, 32	Gloxinia	.....	57						
Turnip	.....	33	Godetia	.....	45, 57						
Wheat	.....	36, 37	Gourds	.....	57						
Poultry Foods and Remedies	111, 112, 113		Grevillea Robusta	.....	57						
Poultry Supplies	108, 109, 110		Gypsophila	.....	57						
Pigeon Supplies	.....	113	Helichrysum	.....	57						
Grass and Clover Seeds	37, 39, 40, 41, 42 2d Cover		Heliotrope	.....	58						
			Heuchera	.....	57						
			Hollyhock	.....	58						
			Hyacinth Bean	.....	55						
			Humulus (Hop)	.....	58						
			Ice Plant	.....	58						
			Impatiens Sultana	.....	58						
			Ipomoea	.....	58						
			Kudzu Vine	.....	59						
			Lantana	.....	59						
			Larkspur	.....	59						
			Lathyrus Latifolius	.....	59						
			Lobelia	.....	59						
			Love-in-a-Mist	.....	62						

Flower Seeds		PAGE			PAGE			PAGE
Abronia	.....	47	Lupinus	.....	59	Oxalis	.....	84
Adrus Precatorius	.....	47	Lychnis	.....	59	Peonies	.....	89, 90
Acacia	.....	47	Marigold	.....	60	Phloxes	.....	93
Acroclinium	.....	47	Mathiola Bicornis	.....	60	Roses	.....	86, 87, 88
Adonis	.....	47	Maurandya	.....	60	Shrubs, Flowering	.....	94, 95, 96
Ageratum	.....	47	Mignonette	.....	60	Tigridias	.....	84
			Mimosa Pudica	.....	61	Trees Ornamental	106, 107	
			Mimulus	.....	61	Tuberose	.....	84
			Momordica	.....	61	Vines and Creepers	.....	97
			Moonflower	.....	61	Water Lilies	.....	73, 74
			Morning Glory	.....	61			
			Musa Ensete	.....	61			
			Myosotis	.....	62			
			Nasturtium	.....	61, 62			
			Nemophila	.....	62			
			Nicotiana	.....	62			
			Nigella	.....	62			
			Oxalis	.....	62			
			Pansy	.....	63			
			Passion Flower	.....	63			
			Petunia	.....	45, 64			
			Phlox	.....	64			
			Pinks	.....	55, 56			
			Poppy	.....	65			
			Portulaca	.....	65			
			Primula	.....	65			
			Pyrethrum	.....	65			
			Rhodanthe	.....	65			
			Salvia	.....	66			
			Scabiosa	.....	45, 66			
			Schizanthus	.....	66			
			Smilax	.....	65			
			Stevia	.....	67			
			Stokesia	.....	66			
			Stocks	.....	67			
			Sunflower	.....	70			
			Sweet Peas	.....	68, 69			
			Sweet William	.....	70			
			Thunbergia	.....	70			
			Torenia	.....	70			
			Tropaeolum	.....	62			
			Verbena	.....	71			
			Violets	.....	71			
			Vinca	.....	71			
			Wallflower	.....	71			
			Wistaria	.....	71			
			Zinnia	.....	71			
			S. & W. Hardy Perennial Flower Seeds	.....	72			



This list embraces a large proportion of the most popular agricultural books published in the United States, describing briefly various works on the leading topics connected with American rural life. These books have been prepared by the leading authorities on their respective subjects, and represent the most recent results of agricultural research on the questions of farming and allied subjects, combined with the highest type of modern bookmaking.

We are always happy to correspond with our subscribers and cordially invite them to address us on any matter pertaining to rural books. Any work not in this list can be obtained at short notice at the regular retail prices.

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|--|--------|---|--------|
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